रिजस्टर्ड सं० डी एल-33001/92



प्राधिकार से प्रकाशित PUBLISHED BY AUTHORITY

सं० 17]

नई दिल्ली, शनिवार, अप्रैल 25, 1992 (वैसाख 5, 1914)

No. 17]

NEW DELHI, SATURDAY, APRIL 25, 1992 (VAISAKHA 5, 1914)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके [Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्अन्धित अधिमूचनाएं और मोटिस [Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 25th April 1992

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GISTERED NO. DL--33001/92

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(499)

पेट ट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 25 अप्रैल 1992

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा सम्बद्दें, दिल्ली एवं भद्रास में इसके शाखा कार्यालय हैं, जिनकें प्रादिशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रविशित हैं:--

पेटेंट कार्यालय शासा, टोडी इस्टेट, तीसरा तल, लोजर परोल (पिश्चम), सम्बर्ग-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदोश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोजा, दमन तथा दिव एवं वादरा और नगर हवेली ।

सार पता--"पेटाफिस"

पेट कार्यालय शाखा, एकक सं. 401 से 405, तीसरा तल, नगरपालिका बाजार भवन, सरस्वती मार्ग, करोल बाग, नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रवेश, जम्मू तथा करमीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली । सार पता——''पेट टाफिक''

पेटेंट कार्यालय शासा, 61, वालाजाह रोड, मदास-600002 ।

आन्ध्रप्रयोग, कर्नाटक, कोरल, तमिलनाडु राज्य क्षेत्र एवं संघ धार्सित क्षेत्र पाण्डिचेरी, लक्काधिक मिनिकाय तथा अमिनिदिवि वृतीप

तार पता--''पेट टाफिस--

पेटाँट कार्यालय (प्रधान कार्यालय) निजाम पैलेस, व्वितीय बहुतलीय कार्यासय, भवन, 5, 6 तथा 7वां तल, 234/4, आचार्य जगवीश बोस रोड, कलकत्ता-700020 ।

भारत का शेष क्षेत्र

नार पता---'पेटर्स''

पेटाँट अधिनियम, 1970 या पेटाँट नियम, 1972 में अपे-क्षित सभी आबेवन पन्न, सूचनाएं, विवरण या अन्य प्रलेख पेटाँट कार्यालय के केवल उपर्युक्त कार्यालय में ही प्राप्त किए जाएंगे।

श्लक :---श्लकों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान येग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित हैं; उस स्थान के अनुसूचित बैंक से नियंत्रक को भूग-तान योग्य बैंक डापट अथवा चैक द्वारा की जा सकती हैं।

CORRIGENDUM

In the Gazette of India, Part III, Section 2, dated 8th June, 1991 page 651, Column 1, under the heading complete specification accepted, read the name of the applicants as International Control Automation Finance SA., a Luxembourg societe anonyme corporation, of Ville de Luxembourg, 16 Rue des Bains, Luxembourg instead of the Babcock & Wilcox Company, of 1010 Common Street, P.O. Box 60035, New Orleans, Louisiana 70160 United States of America for accepted complete Specification No. 168804 (910/Cal/87).

GOVERNMENT OF INDIA THE PATENT OFFICE

Calcutta, the 25th April 1992

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the cresent brackets are the dates claimed Under Section 135, of the Patents Act, 1970.

13th March, 1992

170/Cal/92 Kortec AG., Process for the Production of Liquid Metal from fine-grain metal oxide particles and reducing and smelting furnace for carrying out the process.

171/Cal/92 Atanu Parashar Sarma, Heat Exchanger for Heat Recovery in I.C. Engines.

16th March, 1992

172/Cal/92 Eaton Corporation, ARC Detector Transducer,

173/Cal/92 Eaton Corporation, Chaos Sensing Arc Detection.

174/Cal/92 Eaton Corporation, Direction Sensing Arc Detection.

175/Cal/92 De Nora Permelec S.P.A., Device for removal of gas-liquid mixtures from Electrolysis Cells.

176/Cal/92 Siemens Aktiengesellschaft, Electrical conductor having a longitudinal groove and slots at right angles to the longitudinal groove.

177/Cal/92 Combustion Power Company, Inc., Power plant with efficient emission control for obtaining high turbine inlet temperature.

178/Cal/92 John Francis Urch, Hot Air Drier. (Convention dated 19th March, 1991 No. PK-5118 and 5th November, 1991 No PK-9299, Australia).

17th March, 1992

179/Cal/92 Asahi Kasei Kogyo Kabushiki Kaisha, A Bipolar, Filter Press Type Electrolytic Cell.

180/Cal/92 Erema Engineering Recycling Masshinen Und Anlagen Gesellschaft m.b.H., filter device for fluids to be cleaned.

181/Cal/92 Santanu Roy, Process for Preparing A Novel Polymer Intermediate and Articles made therewith.

20th March, 1992

- 182/Cal/92 Basubandhu Banerji, an Automatic Direct Hold-ing/Parking Device for conveyor belts in con-ditions arising out of belt snapping and/or under speed/over speed operations of the belt.
- 183/Cal/92 Himont Incorporated Components and Catalysts for the polymerization of olefins.
- 184/Cal/92 Himont Incorporated, Components and Catalysts for the polymerization of olelins.
- 185/Cal/92 Bhaskar Dutta, Perjetual Energy Sourse with the help of pneumatics hydraulies.
- 186/Cal/92 Thomas J. Shaw, Nonreusable Syringe with safety indicator.

23rd March, 1992

- 187/Cal/92 Pramatha Lal Das, Improved water loss preventing Apparatus for Public Hydrant.
- 188/Cal/92 Orissa Cement Limited, Process for the Manufacture of Refractory Gunning Material.
- 189/Cal/92 Vocst-Alpine Eisenbahnsysteme Gesellschaft m.b.H., Method for the production of a switch Diamond.
- 190/Cal/92 Engelhard Corporation, Hydrogenation catalyst, process for preparing and process of using said catalyst.
- 191/Cal/92 Fritz Stahlecker and Hans Stahlecker, A spinning machine.
- 192/Cal/92 Fritz Stahlecker and Hans Stahlecker, A process and an arrangement for the piecing of a sliver.
- 193/Cal/92 Fritz Sthalecker and Hans Sthalecker, A spinning machine.
- 194/Cal/92 Hitachi Ltd., and Hitachi Mito Engineering Co., Ltd., Cooling' device for semiconductor element.
- 195/Cal/92 Windmoller & Holscher, Method for the manufacture of two-ply drawn Tapes.
- 196/Cal 92 Sotac Corporation, Soil Treating Composition and method of applying same.
- APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MADRAS-2

10th February 1992

- 79/Mas/92 M. Gowthaman. Gear wheel valve.
- 80/Mas/92 Pilkington Visioncare Inc. Dispenser.
- 81/Mas/92 Krishnaswamy Naidu Sampath monoblock pump with rapid dismantling and built in self crane facility.

11th February 1992

- 82/Mas/92United States of America as represented by the Secretary of Agriculture. A method for fiber loading a chemical compound.
- 83/Mas/92 The South India Textile Research Association.
 A mechanical swift collapsing device to improve the material boffing efficiency of a recling machine.

12th February, 1992

84/Mas/92 Novo Nordisk A/S. -1, 4-galactanase and a DNA sequence.

13th February 1992

- 85/Mas/92 S. Balasubramanian, Paped chappati machine.
- 86/Mas/92 S. Balasubramanian. Safety tap valve,
- 87/Mas/92 Binny Limited. A paddy coking machine.

- 88/Mas/92 Hoogovens Groep BV. Method of making iron foil by electrodeposition.
 - 89/Mas/92 Hoogovens Groep BV. Method of electrolytically coating a steel strip with a metal layer at least partly of zinc.
 - 90/Mas/92 Ezio Selva S.r.l. An apparatus for supporting and orientating in a balanced fashion the mandrel on which superconducting wires of elongated shape magnetic coils are.

14th February, 1992

- 91/Mas/92 Astra Research Centre India. A process of preparing a factor that can modulate blood brain barrier from cysticercus cellulosae,
- 92/Mas/92 Dr. Jose Thaikattil. A value cap.
- 93/Mas/92 Dr. Gurubatham Ravindian, (2) Nagarjan Senthil Kumar and (3) Sounderarajan Senraj, Electronic larynx.

17th February, 1992

- 94/Mas/92 Norton Company. Process for manufacturing dispersible boehmite.
- 95/Mas/92 Amsted Industries Incorporated Method of apparatus for grinding the end of a tubular work-

18th February, 1992

- 96/Mas/92 Narayanswami Nagarajan. Economic Cooking Appliances.
- 97/Mas/92 Lumigen, Inc., Chemiluminescent method and compositions.

19th February, 1992

98/Mas/92 Bracker AG. Apparatus for replacement of ring travellers on spinning or twisting rings.

20th January, 1992

- 99/Mas/92 J. D. Thangaraj, Marker slide—"India Finder".
- 100/Mas/92 Girivas Viswanath Shet. An invention which is a method of depleting a picture of the late chief Minister Shri M. G. Rachandran who is seen standing in front of the people of Tamil Nadu and addressing them and the invention is titled Makkal Kanneer.
- 101/Mas/92 Deutsche Babcock Energieund Umwalttechnik Aktiengesellschaft. Tube mill. (October; October, 1991; Canada).

21st February 1992

- 102/Mas/92 Thirumalai Anandampillai Vijayan, Ap improved air cooler.
- 103/Mas/92 Thirumalai Anandampillai Vijayan. A heat shield cum cover for cars.
- 104/Mas/92 Mars Incorporated. Device for routing coins. (March 21, 1991; United Kingdom).
- 105/Mas/92 Bracco S.p.A. and Technofarmaci S.p.A. Process of concentration and purification of organic compounds.

24th February 1992

- 106/Mas/92 National Mineral Development Corporation Ltd. An improved process for the production of ferric chloride by rapid dissolution of blue dust in HCI.
- 107/Mas/92 Chemnad Puthiyapura Abdul Gafoor. An improved cooking appliance.
- 108/Mas/92 Caterpillar Inc. Track guiding apparatus.
- 109/Mas/92 Fritz Meckenstock GmbH & Co. Spray pump,

25th February, 1992

- 110/Mas/92 Robert Bosch GmbH. Cold starting device for fuel injection pumps.
- 111/Mas/92 Robert Bosch GmbH. Automatic hydraulic control device for varying the beginning of injection in single-cylinder and multi-cylinder injection pumps for diesel internal combustion engines.
- 112/Mas/92 Robert Bosch GmbH. Fuel injection for internal combustion engines.
- 113/Mas/92 Cabot Corporation, Production of carbon black.

26th February,1992

- 114/Mas/92 University of Essex of Wivenhoe Park. Surfacecoating compositions and composite materials.
- 115/Mas/92 Urea Casale S.A. System for the passivation of metal surfaces affected by operating conditions and agents promoting corrosion,

27th February, 1992

116/Mas/92 CCA Inc. Method of producing patterned shaped article.

28th February, 1992

- 117/Mas/92 The English Electric Company of India Limited.

 A fault detection device for DC traction Power Supply.
- 118/Mas/92 Monsanto Company. Fluoroalkenyl compounds and their use as pest repellants.
- 119/Mas/92 Thomas L. Cosby. Maximum ambjent cycle.

2nd March, 1992

- 120/Mas/92 Shri Nataraj Ceramic and Chemical Industries Limited, An insulating brick.
- 121/Mas/92 Shri Nataraj Ceramic and Chemical Industries Limited. An insulating blick.
- 122/Mas/92 Kurmoto, Ltd. Welding method of wear resistant overlaying layer and wear resistant material for use therein.

3rd March, 1992

- 123/Mas/92 DSM N.V. Process for preparing an alkanone and or alkanol.
- 124/Mas/92 Dragoco Gerbeiding & Co., GmbH. Cyclic isolongifolanone-ketals, their manufacture and their application.
- 125/Mas/92 American Telephone and Telegraph Company. Cable including halogen-free plastic jacket.

4th March, 1992

- 126/Mas/92 Shane Robert McGill. Container system (March 5, 1991; Great Britain).
- 127/Mas/92 Tecumseh Products Company. Integral Suction System.
- 128/Mas/92 Tecumseh Products Company. Scroll compressor including compliance mechanism for the orbiting scroll member.
- 129/Mas/92 Aware, Inc. Improved method and apparatus for coding motion pictures.

5th March, 1992

- 130/Mas/92 The Marmom Corporation of Canada Limited. Method and apparatus for incubating and hatching eggs.
- 131/Mas/92 Shri Hanumanth Kashinath Walvekar. Defferential epicyclic infinite trasmission.

- 132/Mas/92 Shri Hanumanth Kashinath Walvekar. Differential epicyclic infinte transmission:—A.
- 133/Mas/92 Carpigiani S.r.l. Stirring device for machines for the manufacture of ice-cream.
- 134/Mas/92 Schubert & Salzer Maschinenfabrik AG. A process and a device for winding a yarn on an openend spinning machine.
- 135/Mas/92 The Marley Cooling Tower Company. Perforated arch-shaped fill bar for splash type water cooling towers.
- 136/Mas/92 The Marley Cooling Tower Company. Perforated trapezoidal-shaped fill bar for splash type water cooling towers.

9th March, 1992

- 137/Mas/92 The Fertilisers and Chemicals Travancore Limited. A process for the preparation of sodium thiosulphate pentahydrate from waste sulphur muck obtained from sulphuic acid paints.
- 138/Mas/92 The Fertilisers and Chemicals Travancore Limited. A process for the preparation of controlled release fertilisers.
- 139/Mas/92 The Fertilisers and Chkemicals Travancore Limited, k A process for the preparation of slow release fertilisers.
- 140/Mas/92 Puthuparampil Varughese Devasia alius George Sebastian Puthuparampil. A device for supporting the latex collection receptacle on a latex yielding tree.
- 141/Mas/92 Sri. Laxshmaiah Chandrasekhara Reddy. An educational and instructional aid.
- 142/Mas/92 Baroody Lloyd and Dow Gordon J. Compositions of clindamycin and benzolyl peroxide for acne treatment.
- 143 Mas/92 Chevron Research and Technology Company. Low-sulfur reforming processes.

10th March, 1992

- 144 Mas/92 Kepler Weber. Improved silo for vegetable grains.
- 145/Mas/92 Foseco Internaional Limited. Resin compositions for making expanded thermoplastic patterns, patterns produced therefrom and their use in metal casting.
- 146/Mas/92 Keeranchil Kunju Kunju Ravcendran, Fungcare box.

11th March, 1992

- 147/Mas/92 M. Godwhaman. Horizontal gas liquid contactor.
- 148/Mas/92 Nassetti Ettore S.p.A. A mould for ceramic tiles affording a re-entrant groove in the reverse face for mechanical fixing purposes, the relative tile and a relative fixing device.

12th March, 1992

- 149. Mas/92 Foseco International Limited. Filters for light metals (April 5, 1991; Great Britain).
- 150/Mas/92 Scovill Japan Kabushiki Kaisha. A fastener attaching apparatus for performing a fastener attaching operation. (Divisional to Patent Application No. 566/Mas/88).
- 151/Mas, 92 Scovill Japan Kabushiki Kaisha. A fastener attaching apparatus. (Divisional to Patent Application No. 566/Mas/88).

13th March, 1992

- 152/Mas/92 Thirumalai Anandampillai Vijayan. A solar energy refrigeration device.
- 153/Mas/92 Thirumalai Anandampillai Vijayan. Solar energy device for industrial effluent treatment.

154/Mas92 General Instrument Corporation. A process for forming a semiconductor device. (Divisional to Patent Application No. 534/Mas/88).

155/Mas/92 General Instrument Corporation. A process for forming a semiconductor device. (Divisional to Patent Application No. 534/Mas/88).

156/Mas/92 General Instrument Corporation. A process for forming a semiconductor device. (Divisional to Patent Application No. 534/Mas/88).

157/Mas/92 General Instrument Corporation. A process for forming a semiconductor device. (Divisional to Patent Application No. 534/Mas/88).

ALTERATION OF DATE UNDER SECTION 16

170649 (710/Cal/1990) Antedated to February 15, 1988.

170650 (711/Cal/1990) Antedated to February 15, 1988.

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स्वीकृत सम्पूर्ण विनिद्रिंश

एत्य्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम एंसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत् विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्य को एंसे विरोध की सूचना विहित प्रपत्र 15 पर वे सकते हैं। विरोध संबंधी लिखित बक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

''प्रत्येक विनिद्धां के संदर्भ में नीखे दिए वर्गीकरण, भारतीय धर्गीकरण तथा अंतर-राष्ट्रीय वर्गीकरण के अनुरूप हैं।''

नीचे सूचीगत् विनिव^रशों की सीमित संस्थक मृद्रित प्रतियां, भारत सरकार बुक डिपो, 8, किरण शंकर राय रांड, कलकत्ता में विक्रय होतू यथा समक् उपलब्ध होंगी। प्रत्येक विनिव^{र्}श का मृत्य 2/- रुठ. ह²।

(अतिरिक्त डाक खर्च)। मृद्भित विनिद्धि की आपूर्ति होतु मांग पत्र के साथ निम्नलिखित सूची मों ग्रथा प्रदक्षित विनिद्धिशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरखें) की फोटो प्रतियां यदि कोई हों, के साथ विनिद्देशों की टिक्ति अथवा फांटो प्रतियों की अपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्सरण प्रभार जिसे उक्त कार्यालय, कलकत्ता द्वारा सुनिद्दित करने के उपरांत उसकी अवायगी पर की जा सकती हैं। विनिद्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिद्देश के सामने नीचे विणित चित्र आरखें कागजों को जोड़कर उसे 4 से गुणा करकों; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. हैं) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl.: 130 (XIV (1)) 32 E (IX) (1)). 170621 Int. Cl.: C 23F 11/00.

"A METHOD FOR PREPARING IRON STABILIZED AND ANTISCALING AQUEOUS SYSTEM".

Applicant(s): THE B. F. GOODRICH COMPANY, A NEW YORK CORPORATION, OF 500 SOUTH MAIN STREET, AKRON, OHIO 44318, UNITED STATES OF AMERICA.

Inventor: ZAHID AMJAD & WILLIAM FRANK MAS-LER

Application for the Patent No. 920/Del/86 filed on 17th October 1986.

Appropriate office for the opposition Proceedings (Rule 4 Patent Rule 1972) Patent Office Branch, New Delhil10005.

(CLAIMS - 12)

A method for preparing iron stabilized and anti scaling aqueous systems containing soluble iron and alkaline curth metal salt of mixtures thereof, comprising adding to said aqueous system a copolymer of 40 to 95 weight parts of one or more monounsaturated monocarboxylic acids containing 3 to 4 carbon atoms and 5 to 60 weight parts of one or more substituted acrylamides, on the basis, of a total of 100 weight parts of all monomers polymerized, said copolymer having weight average molecular weight of about 1,000 to 50,000 and the polymerized units of said substituted acrylamides are defined by formula (ii)

$$R - (CH_2 - C)_n - C - N - R^2$$

FORMULA II

of the accompanying drawing wherein, n is in the range of about 0.1 to 350, subject of the molecular weight limitation; R_1 is selected from hydrogen and methyl and R_2 and R_3 and individually selected from hydrogen and substituted and unsubstituted alkyl groups each containing a total of 1 to 8 carbon atoms, provided that either R_2 and/or R_3 is other than hydrogen.

(Complete Specification - 25

Drawings - 1Sheet)

Ind. Cl.: 144 A.

170622

Int. Cl.4: C03C 17/00.

A PROCESS FOR THE CONTINUOUS COATING OF COLORLESS OR MASS-COLORED GLASS AND AN APPARATUS FOR CARRYING SUCH PROCESS.

Applicant: VIDRIERIA ARGENTINA S. A., A JOINT STOCK COMPANY OF AVDA. CORRIENTES 1386, 8TH FLOOR BUENOS AIRES, ARGENTINA.

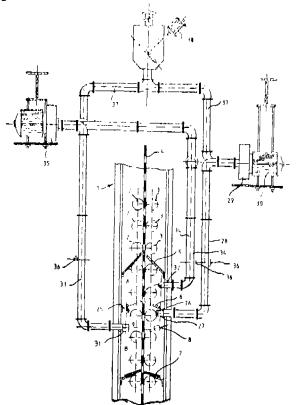
Inventors: JUAN ESTEBAN BERNABE GANDOLFO, TOMAS RODRIGUEZ EGANA & MARCELO ALFREDO FEHLSSEN.

Application for Patent No. 151 DEL 87 filed on 20 FEB 87.

Appropriate office for the opposition Proceedings (Rule 4 Patent Rule 1972) Patent Office Branch, New Delhi110005.

(CLAIMS 17)

Process for the continuous exating of colourless or mass-colored flat glass directly during the manufacturing process thereof in vertical towers, characterized by subjecting the flat glass sheet in a vertical chamber to temperatures comprised within 700 and 100 K; applying a coating of aqueous solution of metal salts such as iron or cobalt salt to the glass sheet by means of spraying until obtaining a layer of metal oxide off a thickness comprised within 200 and 1000A (Angstrom); cooling the surface of the glass opposite that in which spraying is being performed; and removing the gases burnt in said tower by forced stripping.



An apparatus for carrying into practice the process of comprising a vertical tower (1) having in its inside, horizontal rollers placed symmetrically with respect to a flat glass sheet movable between the same, said tower containing two independant chambers (A. B) formed by closures (5, 6, 7) related to said glass sheet and which form an angle with the horizontal; one of said chambers having an atomizer nose (8) in variable position and related to said glass sheet, said chamber that has the atomizer nose also containing a first gas exhaust duct in the same region of said nose said chamber that has the atomizer nose also containing a water-refrigerated tube placed at the side of the glass opposite that which is receiving spraying, a second gas exhaust duct for gases generated in such side being placed at the same zone of the chamber containing the refrigerating tube; the other chamber having a third gas exhaust duct; said exhaust ducts being connected to a gas treatment and purification means.

(Complete Specification 17 Pages.

Drawing Shects 4.)

Ind Cl.; 140 A2.

170623

Int. Cl.4: C 10 M 125/00, 135/02.

'A LUBRICATING COMPOSITION AND METHOD FOR MANUFACTURING THE SAME'.

Applicant: THE LUBRIZOL CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, U.S.A., OF 29400 LAKELAND BOULEVARD, WICKLIFFE, OHIO 44092, UNITED STATES OF AMERICA.

Inventors: JAMES NOEL VINCI & DAVID LAWRENCE FACCHIANO.

Application for Patent No. 256 DEL 87 filed on 24 Mar 1987.

Appropriate office for the opposition Proceedings (Rule 4 Patent Rule 1972) Patent Office Branch, New Delhil 10005.

(CLAIMS 20)

A lubricating composition comprising a lubricant such as herein described and an additive mixture comprising;

- (A) at least one overbased metal-containing organic salt wherein the metal of sold metal-containing organic salt is selected from the group consisting of alkali metals, alkaline earth metals, group V-A metals, titanium, chromium and copper, with the proviso that the metal is not zinc, and
- (B) at least one surfurized organic compound such as herein described wherein the weight ratio of (A); (B) is 50:1 to 1:1.

(Complete Specification 33 Pages).

Ind. Cl: 185E XVIII.

170624

Int. Cl.4: A 23 N 15/10.

METHOD FOR THE TREATMENT OF GREEN COFFEE BEANS OF UNDESIREABLE FLAVOUR AND AROMA TO PROVIDE BEANS OF UPGRADED FLAVOUR.

Applicant: GENERAL FOODS CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWAR, LOCATED AT 250 NORTH STREET, WHILE PLAINS, NEW YORK, UNITED STATES OF AMERICA.

Inventors : REGHINA DAVIDESCU, RANDY FRED STRIEBEL & ROGER EDWARD HAWKS.

Application for Patent No. 294 DEL 87 filed on 8 Apr 1987.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Branch, New Delhi110005.

(CLAIMS 8)

A method for the treatment of green coffee beans having undesirable flavour and aroma to provide beans of upgraded flavour which comprises subjecting said beans having undesir-

able flavour and aroma to stem pressure treatment and moisturisation prior to roasting, characterised in that:

- (a) said green coffee beans having undesirable flavous and aroma are contacted with stem at a pressure of 20 psig to 70 psig and at a temperature of 258°F to 316°F for a period of from 0.5 to 3 minutes;
- (b) said steam-treatment beans are contacted with moisture for a period of from 0.5 to 2 minutes; and
- (c) said moistured beans are further contacted with steam at a pressure of from 20 p sig to 70 psig and at a temperature of from 258°F to 316°F for a period of 0.5 to 4 minutes, followed by said roasting.

(Complete Specification 13 Pages

Drawing Sheet 1),

Ind. Cl. : 32 E 1x(1).

170625

Int. Cl.4; C 08 F 2/00.

PROCESS FOR THE PREPARATION OF POLYMERS.

Applicant: SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., A NETHERLANDS COMPANY, OF CAREL VAN BYLANDTLAAN 30, 2596 HR, THE HAGUE, THE NETHERLANDS.

Inventor: MICHAEL JOHN DOYLE, JOHAN CHRISTIAAN VAN RAVENSWAAY CLAASEN, GERRIT GERARDUS ROSENBRAND, RICHARD LEWIN WIFE.

Application for Patent No. 446/DEL/87 filed on 22 May 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

Process for the preparation of polymers comprising contacting a mixture of carbon monoxide and one or more ole-finically unsaturated organic compounds, in which the molar ratio of olefinically unsaturated compound relative to carbon monoxide is 10:1—1:5, at a temperature of 20—200°C and a pressure of 1—200 bar, with a catalyst composition based upon:

- (a) a palladium compound, in a quantity of 10-7 to 10-6 gram atom of palladium per mol of olefinically unsaturated compound,
- (b) an anion of an acid with a pKa of less than 2, provided that the acid is not a hydrohalogenic acid, in a quantity of 0.5 to 200 equivalents per gram atom of palladium, and
- (c) a bidentate ligand of the general formula R1, R2-M R-M-R8 R4 wherein M represents phosphorus, arsenic or antimony, R1, R2, R3, R4, represent hydrocarbyl groups which may or may not be substituted with polar groups and R represents a bivalent organic bridging group which contains at least two carbon atoms in the bridge, in a quantity of 0.1 to 5 mol per mol of palladium compound, characterised in that said process is carried out in a gaseous phase of the kind such as herein described in the absence of a liquid non-polymerizable diluent.

(Complete Specification 23 pages).

Ind. Cl.: 40 H.

170626

Int. Cl.4: B01D 53 02.

PROCESS FOR SEPARATING A GASEOUS MIXTURE BY ADSORPTION.

Applicant: L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, A FRENCH BODY CORPORATE, OF 75, QUAI D'ORSAY-75321 PARIS CEDEX 07 (FRANCE).

Inventors: I.EON HAY, DIDIER CROZEL & GUY SIMONET.

Application for Patent No. 471/DEL/87 filed on 02 June 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A process for separating a gaseous mixture by adsorption in an adsorption plant having at least three adsorbers which comprises:

- (a) feeding a gaseous mixture such as hereinbefore described to an adsorber;
- (b) subjecting said gaseous mixture to a cocurrent decompression;
- (c) subjecting said decompressed gaseous mixture to a cocurrent partial emptying into a storage reservoir;
- (d) further subjecting said gaseous mixture to a final decompression to a conventional low pressure of the cycle;
- (e) feeding said decompressed gas from said storage reservoir to said adsorber for a countercurrent scavenging at said low pressure;
- (f) subjecting the gas of step (e) to a partial countercurrent recompression;
- (g) subjecting said partial recompressed gas to a final countercurrent recompression to a conventional high pressure and
- (h) subjecting said final recompressed gas to an isobaric production step to isolate the components of said gaseous mixture, characterised in that,

the said step (a) to (h) are carried out in the same cycle in all said at least three adsorbers, the cycles being staggered from one adsorber to other by a phase shift equal to the duration of the cycle divided by the number of said adsorbers, and wherein (i) said cocurrent decompression of step (b) is carried out by withdrawing gaseous mixture undergoing decompression and feeding it directly to another adsorber undergoing recompression thereby equalising the pressure of said two adsorbers; (ii) said partial counter current recompression of said step (f) is carried out by said pressure equalisation of said step (i), and wherein the sum of the durations of the steps (c) and (d) is less than said bhase shift and the sum of the durations of the steps (c), (d) and (e) is less than twice said phase shift, at least two of said adsorbers are simultaneously in said isobaric production, the total number of said adsorbers being at least four but less than 3 + x + y, x being the number of adsorbers simultaneously in isobaric production and y being the number of said pressure equalisations, with x + y being three and said partial emptying of said gas of step (c) is carried out by transferring the whole of said gas into said storage reservoir.

(Complete Spn. 31 pages.

Drawing sheets-15)

Ind. Cl.: 40 F.

Int. Cl.4: B01J 8 26.

170627

APPARATUS FOR DISCHARGING PARTICULATE POLYOLEFIN PRODUCT.

Applicant: BP CHEMICALS LIMITED, A BRITISH COMPANY, OF BELGRAVE HOUSE. 76 BUCKINGHAM PALACE ROAD, LONDON SWIW OSU, ENGLAND.

Inventor: CHARLES RAUFAST.

Application for Patent No. 498/DEL/87 filed on 09 June 1987.

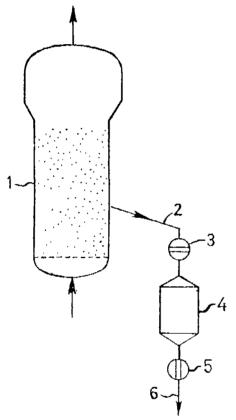
Convention date 30 Sept 1986 8623448/U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delni-110 005.

8 Claims

Apparatus for discharging particulate polyolefin product from a reactor wherein gas-fluidised bed polymerisation of one or more alpha-olefins is carried out, said apparatus comprising a vessel (4) connected to the reactor (1) by means of a pipe (2) provided with a valve (3) and connected to a receiver situated downstream by means of a pipe (6) provided with a valve (5), characterised in that:

—the two valves (3) and (5) consist of continuously rotatable plug valves associated with means for continuously rotating said valves in such a way that the two valves are not open at the same time, even partly, and the volume of the vessel (4) comprises between 1/10 and 1/1000, and preferably between 1/100 and 1/500 of the volume of fluidised solid contained in the reactor (1).



(Complete Specification 11 pages.

Drawing sheet 1)

Ind. Cl.: 97 F.

170628

Int. Cl.4: H05B 3/36.

A HEATING DEVICE HAVING AN ELECTRIC HEATING ELEMENT.

Applicant: KANTHAL LIMITED, A BRITISH COMPANY, OF INVERALMOND, PERTH, PHI 3EE, SCOTLAND.

Inventors: PETER HAMISH ATHEY ROEBUCK, STAN-LEY BARNETT MOUG & ADRIAN GEOFFREY HOW-GATE.

Application for Patent No. 516/DEL 87 filed on 16 June 1987.

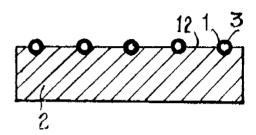
Convention date 20 June 1986/8615162 U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

A heating device comprising an electrical heating element in the form of a coil (1) supported and retained on a base (2) of castable refractory material by ribs moulded with the base and around part of the periphery of the coil, the material of the base being moulded between adjacent turns of the coil, the core (3) of the coil being free of refractory and open to the surface of the device, part at least of the coil periphery being raised above the surrounding surface of the panel.

Fig. 5



(Complete specification 9 pages.

Drawing sheets 2)

Ind. Cl.: 5 D.

170629

Int. Cl.4: B02C 11/08.

Title: GRAIN DRYING MACHINE FOR PADDY, WHEAT AND OIL SEEDS.

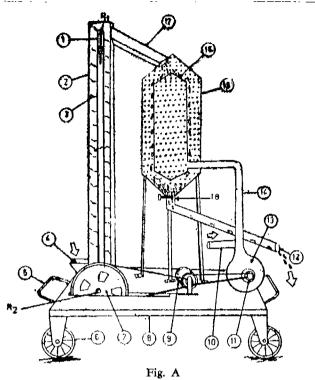
Applicant & Inventor: RAJ KUMAR, House No. 82-D, Ward No. 3, Vishnu Nagar, Jagadhri Workshop, District Ambala-135 002 (Haryana).

Application for Patent No. 902/DEL/87 filed on 15 Oct 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A Grain drying machine for drying Paddy, wheat and Oil Seeds comprising a conveyer (2) for carrying the controled supply of moist grain particles being fed from feeding point Hopper (4) through a feed hole to the upper part of the said conveyer (2) by means of a conveyer belt fitted with conveyer buckets (3) in the body of said conveyer (2), while the conveyer belt runs over two bearing fitted roller (R 1 & R2) being provided in upper and lower portions of the said conveyer (2), means for changing the position of said upper Roller (R 1) with respect to the lower one, means for delivering the moist grains uniformly into the region between dome shaped coanial, vertically mounted perforated outer cylinder (15) and perforated inner cylinder (16), means for producing hot air through a hot air chamber comprising a grate, ashchamber, feed point, supplementry air inlet, a centrifugal blower (13) for sucking the hot air through pipe (10) from hot air-mud oven chamber and delivering the controlled hotair to the said inner cylinder (16), means for controlling the supply of hot air through hot air pipe (14), means for discharging the controlled discharge of dried grains by positioning the discharge pipe (12) either directly towards the said Hopper (4) or towards the storage point, means for rotating the conveyer pulley (7) and blower vane shaft pulley simultaneously through a belt and pulley arrangement on an electric motor (9) shaft.



(Complete Specification 16 pages.

Drawing Sheet 1)

Ind. Cf.; 32.C. 1x(1).

170630

Int. Cl.4: C07.D. 309/00, 309/02.

Title: AN IMPROVED PROCESS FOR THE ISOLA-TION AND PURIFICATION OF GANG LOSIDES.

Applicant COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110 001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor: KAILASH CHAND GUPTA, KRISHNA KANT & RAJESH KUMAR GAUR.

Application for Patent No. 952 DEL/88 filed on 04 Nov 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

An improved process for the isolation and purification of gangliosides having a silic acid content of 30% by weight of gangliosides from tissues containing the gangliosides removed from human or animal which comprises:—

- 1. washing the tissues with cold water to remove blood.
- 2. mincing the tissues.
- 3. dehydrating the minced tissues with acctone.
- extracting the dehydrated tissue as a powder with mixture of chloroform methanol (2:2) and chloroform methanol (1:2) and combining the chloroformmethanol extracts.
- extracting the chloroform methanol fractions from the said extract fraction with saline.
- 6. separating a methanol saline fraction.
- loading the methanol saline fraction on to a column containing silica gel having non-polar functional group (reverse phase silica gel).

- 8. washing the column with one bed volume of the solvent used for packing the column,
- cluting the gangliosides from the column with organic solvents having different polarities.
- recovering the purified gangliosides from organic solvents in the form of powder by known methods.

(Complete Specification 14 pages).

Ind. Cl.: 9 F [GROUP XXXIII (1)]

170631

Int. Cl.4: C 22 C 38/00 & 38/60

A METHOD FOR PRODUCING A STEEL CONTAINING A LOW MEI.TING POINT METAL SUCH AS BISMUTH OR LEAD.

Applicant: INLAND STEEL CORPORATION, OF 30 WEST MONROE STREET, CHICAGO, ILLINOIS 60603, U.S.A.

Inventor: AKIRA TAKAHASHI.

Application No. 794 MAS/87 filed on 3rd November, 1987.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

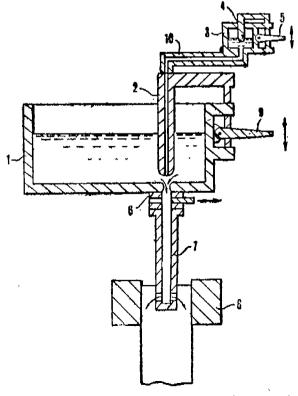
5 Claims

A method for producing a steel containing a low melting point metal such as bismuth or lead, said method comprising:

maintaining the low melting point metal in a molten state in a first vessel;

keeping the molten steel in a second vessel having a bottom nozzle opening and a hollowed stopper rod positioned above said botom nozzle opening; and

flowing a desired amount of said molten low melting point metal down through said hollowed stopper rod into the molten steel contained in the second vessel.



(Com. Spec.—9 pages

Drgs.—1 sheet)

Ind: Cl.: 169-B. 1 [GROUP-XXXIX(6)]

170632

Int. Cl. : F 41 G 3/00

FIRE CONTROL SYSTEMS.

Applicant: BARR & STROUD LIMITED, A BRITISH COMPANY, OF CAXTON STREET ANNIESLAND, GLASGOW G13 1HZ, SCOTLAND.

Inventors: (1) RALPH HILARY BAGNALL-WILD

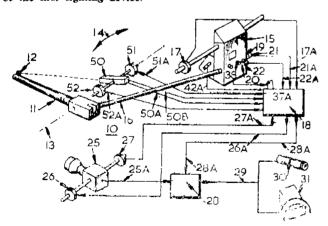
- (2) GORDON ROBERTSON SMITH
- (3) CLINTON EUGENE EVANS

Application No. 829/MAS 87 filed November 17, 1987.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

3 Claims

A fire control system comprising a platform on which are mounted for elevational movement a gun and first and second sighting devices, each sighting device having its sight line nominally aligned with the barrel axis of the gun and being interconnected with the gun by a tracking link which is arranged to provide for elevational adjustments to be effective in common, and wherein said first sighting device comprises a lens defining the sight line thereof, a graticule defining an alignment mark and an alignment-adjustment mechanism coupled to said lens and operable by an operator to effect relative adjustment of said alignment mark with respect to the sight line of said first sighting device, said gun comprises a muzzle reference mirron at its muzzle end and a direction-finding means is incorporated within said first sighting device, the direction finding means being arranged to enable the position of an image in the said muzzle reference mirror to be identified with respect to said alignment mark when the gun and first sighting device are at a predetermined elevation deforming a muzzle reference mirror position, and said alignment adjustment mechanism being operable to effect alignment of said mark with said image seen in said muzzle reference mirror position, said mechanism comprises signal-generating sensors arranged automatically to provide alignment -adjustment identification signals, and wherein said second sighting device comprises an electronic graticule generator coupled to receive said identification signals and operable to locate the electronically-generated graticule in said second sighting device so that the sight line thereof is automatically aligned with the sight line of the first sighting device.



(Com.-15 pages;

Drwgs.-1 sheet)

CLASS: 4 A₄ & 23 H 170633 [GROUPS LIII (1) & XL (3)]

Int. Cl.4: B 65 D 90/08

FREIGHT CONTAINER FOR AIR TRANSPORT.

Applicant: SWISS ALUMINIUM LTD., A COMPANY ORGANISED UNDER THE LAWS OF SWITZERLAND, OF CHIPPIS SWITZERLAND,

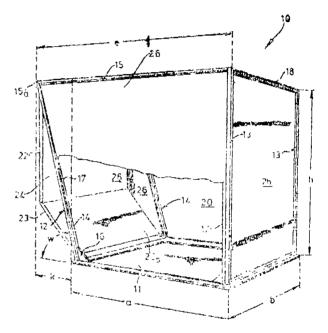
Inventors: 1. GERD BRETSCHEIDER 2. DIETER KIES-WETTER.

Application No. 849/Mas/87 filed on 24th November, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madrus.

9 Claims

Freight container for air: transport having a support frame (12) provided on a baseplate (11) with sections (13, 14, 15) tising from the said baseplate (11) and transverse section (13) connecting these, for a container roof and is provided with sheeting which at least partially fills in the support frame, one side of the freight container being provided with a loading opening, immediately adjoining the lateral loading opening (20) there is a gap (34) in the container roof (30) which is closable by a portion (32) of the container roof (30).



Comp. Specn. 10 pages.

Drgs. 5 sheets.

CLASS: 24-A&E [GROUP-LV]

170634

Int. Cl.4: B 61 H 13/02

A HANDBRAKE ARRANGEMENT FOR A RAILWAY CAR TRUCK.

Applicant: AMERICAN STANDARD INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 40 WEST, 40TH STREET, NEW YORK, NEW YORK 10018, UNITED STATES OF AMERICA.

Inventor: ANDREW GEORGE HAYDU.

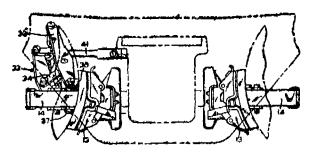
Application No. 864/Mas/87 filed December 1, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

11 Claims

A handbrake arrangement for a railway car truck having a pair of wheel sets (1, 2) characterised by first and second substantially parallel, spaced apart brake beams (6, 7) interposed between said pair of wheel sets (1, 2) and having brake shoes (13) carried thereon adjacent the respective wheel treads of said wheel sets (1, 2) for engagement therewith when said brake beams (6, 7) are moved apart; first and second transfer levers (17, 18), each being pivotally-connected at a point intermediate the ends thereof to a res-

pective one of said brake beams (6, 7) at the beam midpoint; brake actuator means (26) having a first member (26a) connected to said first brake beam (6) and second member (20a) connected to one arm of said first transfer lever (17) for effecting counterclockwise rotation of said first transfer lever (17) in response to relative axial expansion between the said first member (26a) and the second member (20a); first force-transmitting means (20) interposed between one arm of said second transfer lever (18) and said first member (26a) of said brake actuator means (26) second force-transmitting means (21) connected between the other arms of said first (17) and second (18) transfer levers for effecting counterclockwise rotation of said second transfer lever (18); a live handbrake lever (32) having one end fixed against movement relative to said brake beam (6) and the other end free; a dead handbrake lever (33) having one end connected to said second member (20a) of said brake actuator means (26) and the other end fixed, said live (32) and dead (33) levers being pivotally-connected together at a location intermediate to the ends thereof, whereby rotation of said live lever (32) in one direction about said one end thereof in response to a handbrake application force applied at said-other end of said live lever (32) provides rotation of said dead lever (33) about said other end thereof in a direction opposite said one direction to effect said relative axial expansion between the said first (26a) and second (20a) member of said brake actuator means (26), and to force apart the said first (6) and second (7) brake beams to bring said brake shoes (13) into engagement with the wheel treads of said wheel sets with a force corresponding to said applied handbrake application force.



Comp. Speen 20 pages.

Drgs. 4 sheets

CLASS: 168 C [GROUP LI (4)]

170635

Int. Cl.1; G 01 V 1/147

AN IMPROVED DEVICE FOR GENERATING IN THE GROUND TRANSVERSE ACOUSTIC WAVES.

Applicant: INSTITUT FRANCAIS DU PETROLE, A FRENCH BODY CORPORATE, 4, AVENUE DE BOIS PREAU 92502 RUEIL MALMAISON, FRANCE.

Inventors: 1. JACQUES CHOLET 2. PIERRE CLAUDE LAYOTTE.

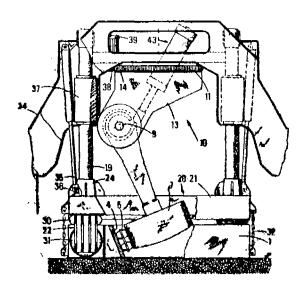
Application No. 917/Mas/87 filed on 22nd December, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch. Madras.

13 Claims

An-improved device for generating in the ground transverse acoustic waves having a target element with a face for striking the target element on said inner wall, a mass for striking the target element on said inner wall, an arm pivoting with respect to a turret for supporting the mass and operating means for causing the arm to pivot with respect to the turret between a lew position and a high position in which the mass comes into contact with the inner striking wall, said target element, said turret and said operating means being connected to a rigid cage associated with guide means fixed to the chassis of the vehicle and movable in translation with respect thereto between a first working position in which the target element is in contact

with the ground and a second raised position, said device having drive means for moving the rigid cage with respect to the chassis between the first and second positions and for pressing the target element against the ground in the working position, said inner striking wall is slanted with respect to the vertical and has a plurality of slanted faces oriented differently with respect to each other, the device also having rotational means for causing the turret to rotate with respect to the target element, and for bringing the pivoting plane of the arm perpendicularly to each of said slanted inner faces, the pivoting shaft of the arm being positioned so that the mass in the high position strikes said inner wall perpendicularly.



Comp. Speen. 17 pages.

Drgs. 5 sheets

CLASS: 204—[GROUP-XLI(10)]

170636

Int. Cl. : G 01 G 21/14.

WEIGHT SENSING APPARATUS.

Applicant & Inventor: GEORGE BARRY BOLLAND, OF 42 HOME FARM CRESCENT, WHITNASH, LEAMINSTON SPA, WARWICKSHIRE, UNITED KINGDOM.

Application No. 31/Mas/88 filed January 18, 1988.

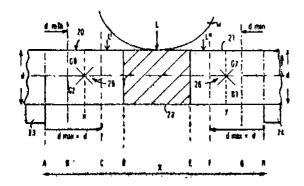
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

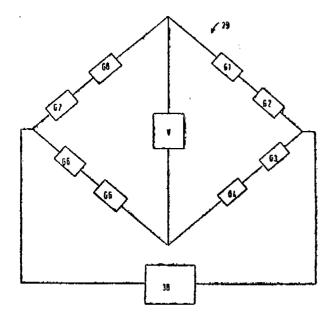
10 Claims

A weight sensing apparatus comprising first and second support means, a load carrying beam member supported on said first and second support means, a sensing portion of the load carrying member which terminates inwardly of at least one end of the load carrying member and being disposed between said support means and therebeing at least one further portion of the load carrying member which extends away from said sensing portion beyond an adjacent one of said first and second support means towards an end of the load carrying member a load receiving region provided on said sensing portion, first and second strain guages positioned on the sensing portion intermediate the top and bottom of the load carrying member to sense the strain in said member and provide a signal indicative of load applied to the load receiving region, said first strain guage being positioned between the first support means and the load receiving region at a distance from the respective first support means, which is between 0.25 d max and d max where d max is the maximum thickness of the member between the first

and second support means in the direction in which the load is to be applied.

carrier/member (13) in a lateral mutually prestressed manner.





Comp. Specn. 16 pages

Drgs. 4 sheets.

CLASS: 172-C.1 [GROUP-XX] 170637

Int. Cl.1: D 01 G 15/24, 15/88

A CARD CLOTHING FOR FLATS OF A CARDING MACHINE.

Applicant: GRAF & CIE, AG OF ALTE JONASTRASSE, 8640, RAPPERSWIL, SWITZERLAND.

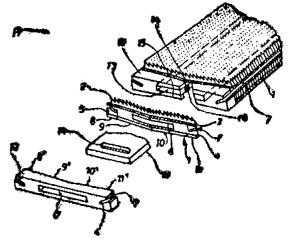
Inventor: RALPH ARMIN GRAF.

Application No. 55/Mas/88 filed January 27, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Madras Branch.

7 Claims

A card clothing for flats of a carding machine, which card clothing having a plurality of mutually abutting saw tooth wire strips, in which each saw tooth wire strip (1) comprises at least two angular bends forming a plurality of wire strip sections (8, 9, 10, 11) of which at least one extends inclined relative to the direction of fibre flow, and in which the saw tooth wire strips are clampingly supported on a locking member (12) mounted onto an elongated



Comp. Specn. 11 pages.

Drgs. 1 sheet.

170638

CLASS: 53-C [GROUP-LII(5)] Int. Cl.4: B 62 M 9/10

AN IMPROVED CYCLE RICKSHAW.

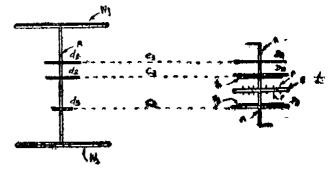
Applicant & Inventor: GOPALA SANKARA NARA-YANA PANICKAR, OF DEDICATED ENGINEERING WORKS SHED NO. 27-98 NEAR MASJID, GANDHI NAGAR, POST HMT, TOWNSHIP, HYDERABAD; 500 854, INDIA, JNDIAN NATIONAL.

Application No. 94/Mas/88 filed February 15, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

7 Claims

A improved cycle rickshaw comprising a freely rotating front wheel and two free-wheel-equipped rear wheels mounted on the rear axle; a first driver sprocket fast-mounted on the pedal-axle connected by a chain to a free-wheel-equipped first driven sprocket mounted on the rear axle; one or more additional driver sprockets loose-mounted on the pedal-axle, each connected by a chain to corresponding additional free-wheel-equipped driven sprockets mounted on the rear-axle; a coupling wheel having a serrated periphery concentrically fixed to each additional driver sprocket; one or more coupling discs slidably fast-mounted on the pedal-axle, adjacent the coupling wheels, each said disc having pins circularly disposed on its face adjacent a coupling wheel; and pivoted lever means controlled by a torsion-spring, said means being connected to each coupling disc for moving the said disc towards or away from each adjacent coupling wheel, to engage the pins with, or disengage the pins from the said serrations, the angular speed of each additional driven sprocket being greater than the angular speed of the first driven sprocket for a given angular speed of the pedal-axle.



Comp. Specn. 12 pages;

Drgs. 4 sheets.

CLASS: 146-D.1-[GROUP-XXXVIII(2)]

170639

Int. Cl.¹: G 01 J 3/44

AN APPARATUS FOR PRODUCING ARECORD OF A DIAMOND.

Applicant: THE BRITISH PETROLEUM COMPANY PLC, OF BRITANNIC HOUSE, MOOR LANE. LONDON EC2Y 9BU, UNITED KINGDOM, A BRITISH COMPANY.

Investor: HEATHER JANE BOWLEY (2) DONALD LESLIE GERRARD.

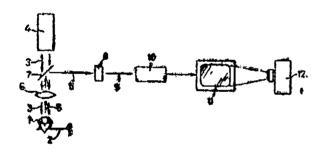
Application No. 161/Mas/88 filed 14th March, 1988.

Convention date: March 18, 1987; (No. 8706422; United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

2 Claims

An apparatus for producing a record of a diamond, comprising means for holding the diamond in a beam of monochromatic laser radiation capable of causing Raman radiation to be scattered from the diamond, means for filtering the resultant scattered Raman radiation, said filter being adapted to pass only scattered Raman radiation characteristic of diamond, means for measuring the intensity of the filtered Raman radiation, and means for recording the intensity of the filtered Raman radiation at one or more different orientations of the diamond to obtain a record of the diamond.



Comp. Speen. 10 pages.

Drgs. 3 sheets.

CLASS: 105-C-[GROUP-XLI(7)]

170640

Int. Cl.3: G 01 K 17/08

A THIN FOIL HEAT FLUX SENSOR.

Applicant: INDIAN SPACE RESEARCH ORGANISATION, DEPARTMENT OF SPACE, F BLOCK, CAUVERY BHAVAN, DISTRICT OFFICE ROAD, BANGALORE,

Inventors: (1) S. V. SUBBA RAO (2) N. SADASIVAN (3) B. C. PILLAI.

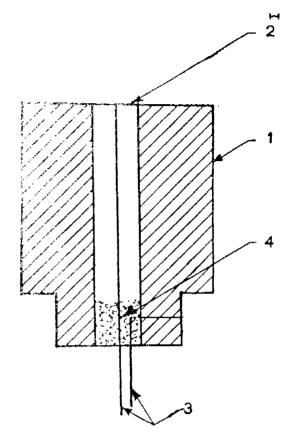
Application No. 316/Mas/88 filed May 12, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

4 Claims

A thing foil heat flux sensor comprising a thin constant foil of predetermined thickness and diameter attached to a copper body having an axial hole to accommodate the said foil serving as the heat sink, two copper lead wires one of them being attached to the center of the foil and the other being attached to the copper body forming a differential

thermocoupe system whose output being directly proportional to the absorbed heat flux.



Comp. Specn. 8 pages

Drgs. I sheet.

CLASS: 35 E & 39 L

170641

Int. Cl.: CO9 C 1/40, CO9 K 3/14

METHOD OF MAKING MICROCYSTALLINE BOEH-MITE.

Applicants: NORTON COMPANY, OF 1 NEW BOND STREET, WORCESTER, STATE OF MASSACHUSETTS 01606, UNITED STATES OF AMERICA.

Inventors: RALPH BAUER.

Application No. 639/Cal/1988 filed on August 1st 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A method of making microcystalline boehmite comprising heating under autogenous pressure a precursor compound heating under autogenous pressure a precursor compound such as herein described, optionally being mixed with zirconia or zirconium precursor that is hydrothermally convertible to boehmite in an aqueous medium having a pH of 5 or less or of 8 or higher and in the presence of boehmite seed particles finer than 0.02 microns, said seed particles being present in an amount greater than 7.5% by weight of said precursor, calculated as A1203, said heating being carried out above 130°C. for a time sufficient so as substatially to convert said precursor to microcrystalline boehmite. mite.

Compl. Specn. 21 pages.

Drgs. Nil.

CLASS: 32F 3 (a), 32 E

170642

Int. Cl.: CO7C 67/00, 69/00, CO8G 63/00, 79/00

NOVEL PROCESS FOR THE ENZYMATIC PREPARATION OF MONOGLYCERIDES SUITABLE FOR THE CONVERSION OF ALKYD RESINS.

Applicants: ICI INDIA LIMITED, FORMERLY KNOWN AS IEL LIMITED, OF ICI HOUSE, 34, CHOWRINGHEE ROAD, CALCUTTA-700 071, WEST BENGAL, INDIA.

Inventors: (1) GAJULAPALLI SUDESH KUMAR (2) ASHOK DYNANDEV GHOGARE.

Application No. 697/Cal/1988 filed on August 19, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

An improved process for the preparation of monogly-cerides particularly useful for the production of alkyd resins which comprises the trans-esterification at a temperature in the range of from 30°C to 80°C of predetermined amunts of a triglyceridecontaining vegetable oil such as herein described with an alcohol such as herein described in the presence of lipase as catalyst, the reaction being effected in a non-aqueous organic solvent of the kind herein described.

Compl. Specn. 13 pages.

Drgs. Nil.

CLASS: 85-G

170643

Int. Cl.: F27 D 7/06, 9/00, C21 D 9/00

VACUUM FURNACE FOR THE HEAT TREATMENT OF METALLIC WORKPIECES.

Applicants: DEGUSSA AKTIENGESELLSCHAFT, OF 6000 FRANKFURT AM MAIN, WEISSFRAUENSTRASSE, 9, FEDERAL REPUBLIC OF GERMANY.

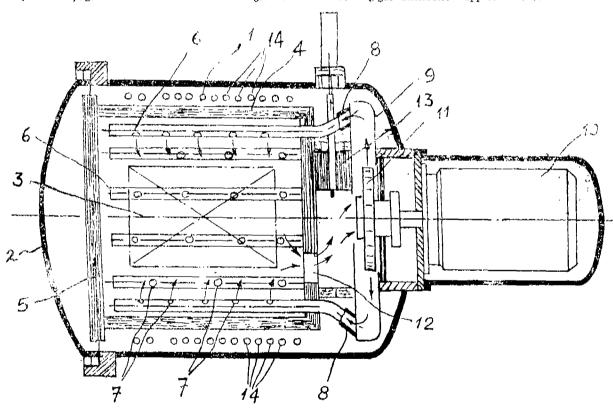
Inventors: (1) PAUL HEILMANN (2) ERWIN HEU-MULLER (3) FRITZ KALBFLEISCH (4) FRIEDRICH PREISSER AND (5) ROLF SCHUSTER.

Application No. 764/Cal/1988 filed on September 12, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

Vacuum furnace for the heat treatment of metallic workpieces with a cylindrical pressure housing, in which a charge space, surrounded by axially aligned heating conductors and provided with a thermal insulation, and a gas-cooling device, by which a cooling gas can be conducted via nozzles through the charge space and via a heat exchanger, are arranged, characterized in that the heating conductors (5) are designed as pipes, are provided towards the charge space with bores (7) and are connected via electrical insulation pieces (8) to a cooling-gas distribution apparatus (9).



Compl. Specn. 7 pages.

170644

Drgs. 1 sheet.

CLASS: 32FC

Int. Cl.: C07C 127/00

IMPROVED PROCESS FOR THE PREPARATION OF UREA FROM CARBON-DIOXIDE AND AMMONIA.

Applicants: PROJECTS & DEVELOPMENT INDIA LTD., P.O. SINDRI PIN 828122, DHANBAD, INDIA, AN INDIAN COMPANY.

Inventors: (1) DR. KRISHNA MOHAN VERMA (2) SRI BISWANATH MAZUMDAR. (3) DR. DEBENDRA KUMAR SAHU.

Application No. 778/Cal/1988 filed on September 16, 1988.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

Improvements in the process of preparing urea from ammonia and carbon dioxide wherein two moles of ammonia and one mole of carbon dioxide are subjected to conventional reaction to produce urea, water and un-converted ammonia and carbon dioxide, and after recovering the product urea, the

unconverted ammonia and carbon dioxide are recovered and reused, characterized in that

- (i) the liquid effluent from the urea plant containing ammonia excess of 1% by weight and residual urea is subjected to a first stripping operation-cum-hydrolysis with steam tollowed by a second stripping with the introduction of steam and carbon dioxide in the hydrolyser, said first stripping being avoided in the case the residual amount of ammonia is less than 1% by weight;
- (ii) the hydrolysis being carried out at a temperature of 1700 to 2400°C and at pressure of 8 to 35 kg cm² abs;
- (iii) the stripping being carried out at temperatures between 110^{9} to $135^{9}\mathrm{C}$;
- (iv) the water vapours and vapours containing ammonia, carbon dioxide released in the stripper being draw in from the top of the stripper and condensed in a condenser and then collected as a recovery solution while;
- (v) the liquid effluent stream coming out at the bottom of the stripper which contains less than 10 pm each of urea and ammonia being cooled to 40 to 70°C and discharged as efficient

(Compl. Specn. 23 Pages

Drgs. 2 Sheets.)

Ind. Cl.: 167 F, G, C

170645

ind, Ci. , 107 15 Ci, C

Int, Cl.: B07 B, 1/00, 13/00

METHOD AND APPARATUS FOR THE SEPARATION OF TWO OR MORE DESCRETE PARTICULATE MATERIAL OF DIFFERENT SLIDING COEFFICIENT OF PRICTION.

Fig. 1

Applicants: CYPRUS (NDUSTRIAL MINERALS COMPANY, 7000 SOUTH YOSEMITE STREET, ENGLEWOOD; COLORADO 80155, DELAWARF, U.S.A.

Inventors: (1) CARL WAYNI NICHOLS

(2) MICHAEL JOHN LORANG

(3) MICHAFL OTTO WOLD

(4) JERRY WILLIAM RAYFIELD.

Application No. 821/Cal/1988 filed on October, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

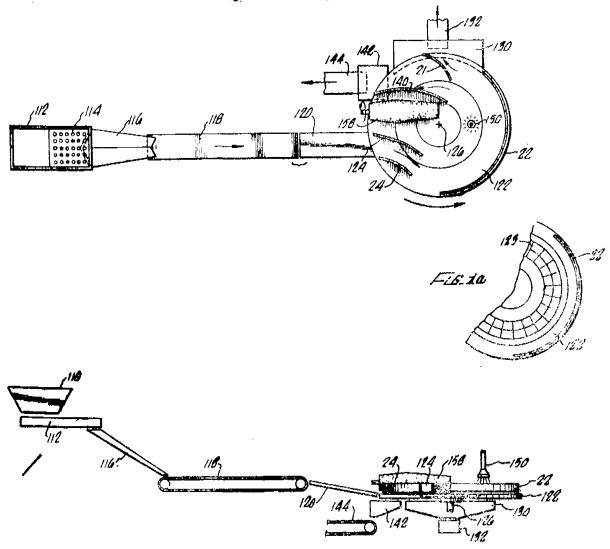
14 Claims

A method of separating on a rotatable plate member having separating surface thereon a mixture of two or more discrete, rocklike particulate materials of disparate composition on the basis of materials composition, comprising the steps of ;

placing said mixture of materials on said rotary separating surface at a liner velocity substantially equal to the tangential velocity of said separation surface at the point deposition of said materials so that the relative velocity between the incoming mixture material and the disc surface is zero;

rotating said separating surface to impose centrifugal forces on said mixture materials whereby said materials tend to radially traverse said surface at different centrifugally induced velocities; depending on the sliding coefficient of friction of the respective material.

separating said discrete materials of said mixture on the basis of the velocity differences therebetween; and collecting the separated materials.



Compl. Specn. 36 Pages.

Drgs. 3 Sheets.

Ind. Cl.: 187 C-3

170646

Int.: Cl.: H 04 M 3/22

DIRECT ACCESS TEST UNIT FOR CENTRAL OFFICE.

Applicants: HARRIS CORPORATION OF MELBOURNE, FLORIDA, U.S.A.

Inventors: (1) AARON CHAN

(2) BEN PIERCE

(3) LESLIE SHAFTO.

Application No. 833/Cal/1988 filed on October 6, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

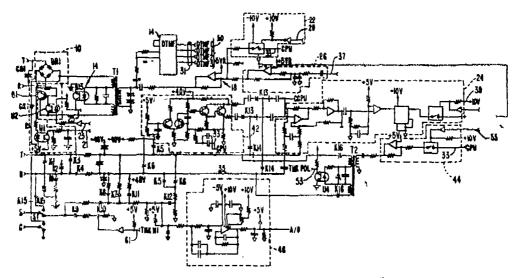
17 Claims

A direct access test unit installable at a telephone office for testing subscriber lines in response to commands from a remote telephone facility comprising;

a first access port coupled to an access line circuit by way of which said remote telephone facility communicates with said telephone office in the course of testing subscriber lines:

a second access port, coupled to a test trunk circuit, by way of which a subscriber line is placed in a prescribed electrical test condition by said direct access test unit in accordance with a prescribed test to be conducted on said subscriber line circuit; and

a subscriber line test controller, including a programmable control processor and an associated test function interface circuit, said control processor being programmed to perform signal analysis and generation operations necessary for responding to communications from said remote telephone facility, placing the subscriber line in said prescribed electrical test condition and conducting a prescribed electrical test of said subscriber line circuit, said subscriber line test controller being coupled in circuit with said first and second access ports, and being responsive to a command supplied from said remote telephone facility via said access line circuit to said first access port, representative of a command to conduct a test of a selected one of a plurality of subscriber line circuits that are accessible by said direct acess test unit to which said remote telephone facility is connected, for placing said subscriber line circuit in one of a plurality of programmable test conditions via a signal path through said test function interface circuit to second access port, in accordance with said prescribed electrical test of said subscriber line circuit.



Compl. Specn. 37 Pages.

170647

Drgs. 2 Sheets.

Ind. Cl.: 36 B 3
Int. Cl.: F04C, 3/00

SCROLL COMPRESSOR.

Applicants: COPELAND CORPORATION, OF CAMPBELL ROAD, SIDNEY, OHIO 45365, UNITED STATES OF AMERICA.

Inventors: (1) JOHN PAUL ELSON

(2) STEPHEN FRANK KRAMP.

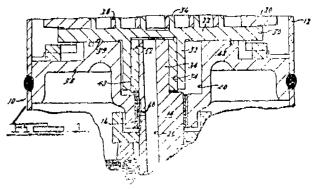
Appliction No. 905/Cal/1988 filed on October 31, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

A scroll compressor comprising an orbiting scroll member having a bore defining a journal for driving said scroll member in an orbital path, a non-orbiting scroll member mated with said orbiting scroll member, a rotatably driven axially extending crankshaft having an eccentric crank pin including an outer driving surface, and a drive bushing having an axial bore receiving said crank pin, the bore in said bushing defining an inner bushing driving surface, said bushing defining an outer cylindrical bushing driving surface disposed in said orbiting scroll member journal, portions of said outer driving surface, said inner bushing driving surface, said outer cylindrical bushing driving surface and said journal cooperating with one another whereby rotation of said crankshaft is operative to effect orbital movement of said orbiting scroll member with respect to said non-orbiting scroll member

characterized in that one of said outer driving surface, said inner bushing driving surface and said outer cylindrical bushing driving surface is canted at a substantially constant angle ever the axial length of its coope ating portion with respect to the axis of said crankshaft when said crankshaft is at rest, said angle being chosen such that curvature of the crankshaft is at rest, said angle being chosen such that curvature of the crankshaft caused by normal driving loads on said crank plan will cause said canted cooperating portion to mate with an opposed cooperating portion of said outer driving surface, inner bushing driving surface and outer cylindrical bushing driving surface to a greater degree on its loaded side than when said crankshaft is at rest.



Compl. Specn. 12 Pages.

Drgs. 2 Sheets,

Ind. Cl.: 127 B

170648

Int. Cl.: F16C, 3/10

METHOD OF ASSEMBLING CRANKSHAFTS AND CRANKSHAFTS THEREBY PRODUCED.

Applicants: FMITEC GESELLSCHAFT FOR EMISSIONS TECHNOLOGIE MBH, OF HAUPTSTRASSE 150, D-5204 LOHMAR 1, WEST GERMANY.

Inventors: (1) WOLFGANG MAUS

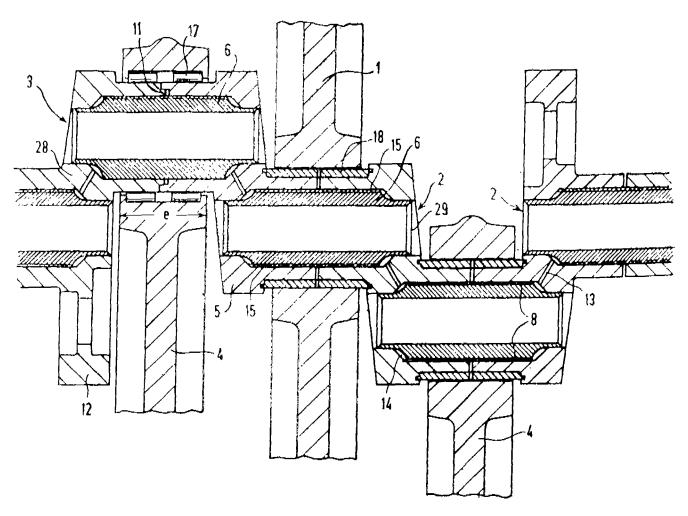
(2) HEI MUT SWARS

Application No. 921/Cal/1988 filed on November 3, 1988

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

22 Claims

Method for assembling crankshafts for piston engines from formed pieces (5), which comprise respectively a crank web (28) and one part of a pin (2, 3), with which the pin parts (2, 3) of adjacent formed pieces (5) are pushed on to a common sleeve (6) and the sleeves (6) are expanded such that the pin parts (2, 3) remain elastically deformed radially through this, characterized in that the sleeves (6) are brought to lie against the inside of the pin parts (2, 3) through plastic radial deformation with the help of pressure applied internally, and are further more expanded, after which the pressure has been relieved, the pin parts (2, 3) after springing back resiliently, make a firm union with the sleeves (6).



(Compl. Specn. 25 Pages.

Drgs. 5 Sheets.)

Ind. Cl.: 32 A

170649

Int. Cl.: C09b 37/00, 39/00, 41/00, 43.00

A PROCESS FOR THE PREPARATION OF WATER-SOLUBLE AZO COMPOUNDS, SUITABLE AS DYESTUFFS.

Applicants: HOECHST AKTIENGFSELLSCHAFT, D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY,

Inventors: (1) HARTMUT SPRINGER

(2) KURT HUSSONG.

Application No. 710/Cal/1990 filed on August 17, 1990. 3—37GI/92

(Divisional of application No. 137/Cal/88, antidated to 15-2-1988).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A process for the preparation of water-soluble azo compound which corresponds to the general formula (1)

D-NEN-K

in which D is a radical of the general formula (2) in which

Y denotes the vinyl group or a group of the general formula (3)

$$Y - So_2 - N - N - (So_3 M)_T$$

in which

X is a substituent which can be eliminated by means of an alkali with formation of the vinyl group,

R is a hydrogen atom or a hydroxy group, an alkyl group having 1 to 4 carbon atoms, an alkoxy group having 1 to 4 carbon atoms, a carboxy group or a halogen atom,

n stands for the number zero or 1,

M is a hydrogen atom or a salt-forming metal atom, such as, in particular, an alkali metal atom, and the free bond in the meta or para-position to the one nitrogen atom of the benzotriazole radical;

K is a radical of a monocouplable water-soluble coupling component, which can additionally contain an azo group, or the radical of a dicouplable water-soluble coupling comor the radical of a dicouplable water-soluble coupling component, each from the series comprising the aminobenzenes, the phenols, in particular the sulfonic acids and carboxylic acids thereof, the naphthols in particular the sulfonic acids thereof, the amino-naphthols, in particular the sulfonic acids thereof, and the acylaminonaphthols, in particular the sulfonic acids thereof containing the acyl radical of an alkanecarboxylic acid or alkenecarboxylic acid each boxing 1 to 4 or 2 to 4 carbon atoms in the alkel or alkend having I to 4 or 2 to 4 carbon atoms in the alkyl or alkenyl radical respectively, or of an aromatic carboxylic acid or an aromatic sulfonic acids or N-substituted carba-mic acid, or from the series comprising the dihydroxynaphthalene-sulfonic acids, the phenylazoand naphthylazo-amino-naphtholsulfonic acids, the 5-pyrazolones and 5-aminopyrazoles, the acetoacetylarylides, the 2-hydroxy-6-pyridones and the hydroxyquinolines, which comprises reacting an amino compound of the general formula (5) in which R, M an n have the meanings mentioned above and Y, has one of the meanings or Y mentioned above, or is the β hydroxyethyl group, and in which the secondary amino group is bound in the meta-or para-position to the primary amino group, with twice the equimolar amount of a dia---50°C and zotizing agent at a temperature between -50°C and +50°C and at a pH of less than 2 and coupling the resultant diazonium compound formed with a coupling component of the general formula H-K where K has the above-mentioned meaning at a pH between 1.5 and 7.5 and at a temperature between Oo and 30°C a β-hydroxyethyl group in the azo compound formed, if Y' represents the β-hydroxyethyl group.

into a group Y representing an easter group of a polyvalent inorganic acid or of an aliphatic or aromatic carboxylic or sulfonic acid, by means of a corresponding esterifying or acylating agent known per se and in a manner known per se

Drgs. 4 Sheets.)

Ind. Cl.; 32 A

170650

Int. Cl.: C09B 37/00, 39/00, 41/00, 43/00

PROCESS FOR THE PREPARATION OF A DIAZONIUM COMPOUND.

Applicants: HOECHST AKTIENGESELLSCHAFT, D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors: (1) HARTMUT SPRINGER

(2) KURT HUSSONG.

Application No. 711/Cal/1990 filed on August 17, 1990. 1990.

Divisional o application No. 137/Cal/88, antidated to 15th February, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A process for the preparation of a diazonium compound corresponding to the general formula (4) in which Y is the vinyl group, the \(\beta\)-hydroxyethyl group or an ethyl group having a substituent in the \(\beta\)-position which can be eliminated by means of alkali, R is a hydrogen atom, a hydroxy group, an alkyl group having I to 4 carbon atoms, a carboxy group or a halogen atom, n is the number zero or 1, M is a hydrogen atom or a saltforming metal atom, such as, in particular, an alkali metal atom, and An (—) represents an anion, and the diazonium group is bound in the meta or paia-position to the one nitrogen atom of the benzotriazole radical, which comprises reacting 2-chloro-5-(\beta\)-hydroxyethlsulfonyl)-nitrogenzene with a compound of the general formula (6) in which R. M and n are defined as above and the two primary amino groups are bound in the meta or para-position to one another con the benzene ring, in the presence of an acid-binding agent and at a temperature in the range of from 50 to 80°C, reducing the resultant compound of the general formula (7) where

$$Y' - 80_2 - N - N - N_2^{(+)} - N_1^{(-)}$$
 $N = N - (50_3^{M)} n$

$$Y' - So_2 \longrightarrow NH \longrightarrow NH_2$$
 $(So_3M)_n$

(Compl. Specn. 57 Pages.

PART III—SEC. 2]

R, M and n are defined as above, to a compound of the general formula (5) in which R, M and n are defined as above and Y' represents the β -hydroxyethyl group, according to a usual method known in the art for reducing aromatic nitro groups to amino groups, such as, for example, hereinbefore described, and reacting that compound of formula (5) obtained with a diazotizing agent according to a usual method of diazotation, known in the art, at a temperature between 5°C and 15°C and at a pH of less than 2, to form the diazonium compound of the general formula (4) where Y' is the β -hydroxyethyl group, and converting that β -hydroxyethyl group, if desired, into an ethyl group having a substituent in the β -position which is eliminated by means of an alkali to form the vinyl group.

(Compl. Specn. 54 Pages.

Drgs. 4 Sheets.)

REFUSAL OF PATENTS UNDER SECTION 15

Application for Patent No. 64/Bom/89 filed on 14th March, 1989, anti-dated to 300/Bom/86 of 29th October, 1986 by M/s. Hindustan Lever Limited has been refused U/S. 15 of the Patents Act, 1970 vide order dated, 14th February, 1991 of the Assistant Controller of Patents & Designs.

OPPOSITION PROCEEDINGS U/S 25

An Opposition has been entered by The Dharamsi Morarji Chamical Co. Ltd., Bombay to grant of Patent on Patent Application No. 169430 (5/Bom/1990) made by Larsen and Toubro Limited, Bombay.

An Opposition has been entered by The Dharamsi Morarji Chamical Co. Ltd., Bombay to grant of Patent on Patent on Patent Application No. 169429 (4/BOM/1990) made by Larsen and Toubro Limited, Bombay.

An Opposition has been entered by Hindustan Lever Limited, Bombay to grant of Patent on Patent Application No. 169427 (252/Bom/1989) made by the Tata Oil Mills Company Limited, Bombay.

Claims under Section 20(1) of the Patents Act, 1970

- 164151 Claim made by Sohio Commercial Development company, a Delaware, Corporation located at Middland Building, Cleveland, Ohio 44115, United States of America and BP Photovoltales Limited a British Corporation located at Moor Lane, London, England, under Section 20(1) of the Patents Act. 1970 to proceed the application No. 460/Mas/84 (Patent No. 464151) in their name has been allowed.
- 168881 The claim made by Sandoz limited, under Section 20(1) of the Patents Act, 1970, in connection with Patent Application No. 845/Mas/86 (Patent No. 168881) in their name has been allowed.
- The claim made by L. David Ostlie under Section 20(1) of the Patents Act, 1970, in connection with Patent Application No. 850/MAS/86 (Patent No. 16882) in his name has been allowed.

The claim made by F. Hoffmann—LA ROCHE AG., under Section 20(1) of the Patents Act, 1970 in connection with Patent application No. 425/Mas/88 (167395) has been allowed.

The Claim made by Telenet Communication Corporation in connection with Patent Application No. 662/Mas/86 (168592) has been allowed.

The Claim made by Union Switch & Signal Inc. in connection with Patent Application No. 819/Mas/86 (168597) has been allowed.

The claim made on 9th August, 1992 by BABCOCK & WILCOX TRACY POWER INC., Under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 168804 (910/Cal/87) in their name has been allowed.

Further, claim made on 19th October 1990 by International Control Automation Finance S.A., Under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 168804 (910/Cal/87) in their name has been allowed.

Claim made by Casey Medical Products Ltd., a British Company of 141, New Market Road, Cambridge CB5 8 HW, United Kingdom, under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 169327 (316/Mas/87) in their name has been allowed.

The claim made by METROCAST in connection with Patent Apprication No. 270/Mas/87 (169399) has been allowed.

Claim made by INLAND STEEL CORPORATION Under Section 20(1) of the Patents Act, 1970 to proceed application for Patent No. 170631 (794/Mas/87) in their name has been allowed.

PATENTS SEALED

ON 27th MARCH, 1992

165745 166260* D 166402 168249 168250 168272 168314* 168445 168512 168513 168605 168626 168661 168664 168667 168668* 168670 168681 168685 168686 168687* 168688 168690 168691 198692 168694 168696* 168697 168699 168912 169011 169056* 169073

Cal—14, Mas—17, Del—01, Bom—01.

"Patent shall be deemed to be endorsed with the words "LICENCE OF RIGHT" under Section 87 of the Patents Act 1970 from the date of expiration of three years from the date of Sealing.

D-Drug Patent.

PATENTS NOT SEALED UNDER SECTION 43

154979 158485 158626 159489 159681 159686 159703 159707 159736 159751 159753 159756 159761 159775 159788 159803 159807 159824 159825 159838 160255 160261 160317 160320 160345 160353 160363 160377 160382 160390 160391 160405 163162 163168 163170 163180 163188 163201 163208 163209 163967

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that NORMALAIRARRETT (HOLD-INGS) LIMITED, Westland Works, Yenvil Somerset, England, have made an application under Section 57 of the Patents Act, 1970, for amendment of application and specification of their application for Patent No. 825/May/86 (167888) for FUEL FLOW CONTROL VALUE.

The amendments are by way of correction. The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on the prescribed Form-30 within 3 months from the date of the Notification at the Patent Office, Madras-2. If the Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the sald Notice.

RENEWAL FEES PAID

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CESSATION OF PATENTS

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Name Index of appliction for Patents in respect of Patent Office Calcutta & its branches for the month of December, 1991. (Nos. 891/Cal/91—958/Cal/91, 355/Bom/91—389/Bom/91; 855/Mas/91—956/Mas/91 and 1177/Del/91—1292/Del/91).

Name Application No.

CALCUTTA

(891/Cal/91-958/Cal/91)

---A---

American Cyanamid Co.-894/Cal/91.

Application Art Laboratories Co. Ltd.—924/Cal/91, 925/Cal/91.

Atlas Copco Tumelling & Mining AB.-955/Cal/91.

Australian Telecommunictions Corporation.—941/Cal/91.

—B—

BTR Plc.-905/Cal/91.

Betz International Inc.-951/Cal/91.

Bhartia Electric Steel Co. Ltd.-956/Cal/91.

Butcher, B.—931/Cal/91.

--C---

Chatterjee, P.A.H.—908/Cal/91.

Chatterjee, P. (Sri)-942/Cal/91.

Cincinnati Milacron Inc.-909/Cal/91.

Conoco Inc -926/Cal/91.

--D---

DE Nora Permelcc S.p.A.-910/Cal/91.

Das, R. N. (Shri)-900/Cal/91.

Degussa AG.—936/Cal/91.

---E---

E. I. Du Pont De Nemours & Co.—920/Cal/91, 921/Cal/91, 940/Cal/91, 947/Cal/91.

Edwards, M.L.—922/Cal/91.

Environmental Bioscience Corporation.—916/Cal/91.

Erowa AG.—906/Cal/91.

--G--

Garrison, W.S. -931/Cal/91.

Gaylard, E.M.J.—945/Cal/91.

General Electric Co.-917/Cal/91.

--H-

Hoechst AG.—927/Cal/91, 954/Cal/91.

Hoechst Celanese Corporation —895/Cal/91, 918/Cal/91, 944/Cal/91.

Healtech S.A.—934/Cal/91.

Himont Incorporated.—919/Cal/91.

—I—

Innovative Bicycle Products, Inc.—903/Cal/91.

Isover Saint-Gobain,—896/Cal/91.

--K--

Krupp Koppers GMBH.—901/Cal/91.

—I_—

Lal, C.—939—Cal/91.

Lenzing AG.—935/Cal/91, 952/Cal/91.

Lubrizol Corporation, The—928/Cal/91.

---M---

Merck Patent Gesellschaft Mit Beschrankter Haftung-933/Cal/91.

Mitra, P.K.—953/Cal/91.

---P---

Pechiney Electrometallurgie,-929/Cal/91.

Pennwalt Corporation.—913/Cal/91, 914/Cal/91.

Phillips Petroleum Co.-937/Cal/91.

Plessis, C.J.D.—945/Cal/91.

--R--

Ravi. A.B.—923//Cal/91.

Raymond Denance—898/Cal/91.

Redding, B.K. (Jr.)—892/Cal/91, 930/Cal/91, 931/Cal/91.

Reilly Industries, Inc.—911/Cal/91.

Richter Gedeon Vegyeszeti Gyar RT.—958/Cal/91.

Rosen, H.E.—904/Cal/91.

Roy, K. (Mrs.)—897/Cal/91.

Roy, S.—891/Cal/91.

s

Samsung Corning Co. Ltd.—938/Cal/91.

Schmucker, A.E.—931/Cal/91.

Schock & Co. GmbH.-~893/Cal/91.

Singh, S.P.—949/Cal/91, 950/Cal/91.

Sin'okogio Ltd.—915/Cal/91.

Somar Corporation. -- 946/Cal/91.

Stork Screens B.V.—932/Cal/91.

—T-

Tega India Ltd.-943 'Cal '91.

Texaco Development Corporation.—899/Cal/91.

Tractel Tirfor India Pvt. Ltd.-907/Cal/91.

U

University of Connecticut.-912/Cal/91.

__V__

Voest-Alpine Industrieanlagenbau Gasellschaft M.B.H.—967/Cal/91.

__W_

Walker-Estes Corporation.—948/Cal/91.

Watson, W.J.—922/Cal/91.

Westinghouse Electric Corporation.—902/Cal/91.

BOMBAY

(355/Bom/91-389/Bom/91)

__A__

Ahmedabad Textile Industry's Research Association.—389/ Bom/91.

Arpal, B.D.—374/Bom/91.

—В-**—**

Bhatia, K.B.-362/Bom/91.

Birla Research Institute—372/Bom/91.

—C— Chandrasekaran, K.—380/Bom/91.

__D_

Deodhar, P.-367/Bom/91.

—H—

Hindustan Lever Ltd.—357/Bom/91, 358/Bom/91, 360/Bom/91, 363/Bom/91, 364/Bom/91, 365/Bom/91, 366/Bom/91.

Hoechst India Ltd.--377/Bom/91.

—<u>I</u>—

Indian Oil Corporation Ltd.—371/Bom/91, 385/Bom/91, 386/Bom/91.

--K---

KSB Pumps Ltd.-384/Bom/91.

Khemlani, K.M.—361/Bom/91.

--L-

Luckan, P.—373/Bom/91.

--M---

Manubhai, S.J.-375/Bom/91.

Mazgaonkar, S.G.-355/Bom/91.

N

Naik, D.S.-381/Bom/91.

Nагнуапа, K.L.—378/Bom/91.

—P—

Palnitkar, G.H.—382/Bom/91.

Peico Electronics & Electricals Ltd.—369/Bom/91.

Pillai, N.S.—376/Bom/91.

---R---

Ranadive, H.M.—388/Bom/91.

Real Value Appliances Pvt. Ltd. -383/Bom/91.

--S--

Safari Industries (India) Ltdfl-370/Bom/91,

Shah, N.R.-356/Bom/91.

Shah, V.C.—359/Bom/91.

—T—

Thomas, G.-368/Bom/91.

Tripathi, R.-387/Bom/91.

Y

Yadav, S.R.R.-379/Bom/91.

MADRAS

(855/Mas/91—956/Mas/91)

—A—

A. K. Technical Laboratory, Inc.—913/Mas/91,

Ahmed, J .-- 916/Mas/91.

Amsted Industries Incorporated.—922/Mas/91.

Anand, V.—932/Mas/91, 933/Mas/91.

Angio American Corporation of South Africa Ltd.--947/Mas/91.

Aran Fire & Safety (U.K. Lt.-886/Mas/91.

Astra Research Centre India—891/Mas/91, 899/Mas/91 900/Mas/91,

Aswanikumar, P.R.-920/Mas/91.

Aumund-Forlererbau GMBH.—914/Mas/91.

—C—

C. U. Lighting Ltd.-906/Mas/91,

Casey Medical Products Ltd.—926/Mas/91.

Centro Nacional de Investigaciones Cientificas. -908/Mas/91.

--E--

E. J. Brooks Co.—897/Mas/91,

---G---

GTM Enterpose—925/Mas/91.

Galipag-951/Mas/91,

Ganasan, S.—932/Mas/91, 933/Mas/91.

Gopi, M.—928/Mas/91.

–H—

Habeeb, R.G.—956/Mas/91.

Haldor Topsoe A/S.—921/Mas/91.

Harihar Polyfabrics—950/Mas/91.

Henkel Kommanditgesellschaft auf Aktien.-892/Mas/91.

Hoechst AG.—902/Mas/91, 910/Del/91,

Honda Giken Kogyo Kabushiki Kaisha-952/Mas/91.

--I---

Inrian Space Research Organisation.—889/Mas/91, 890/ Mas/91.

Institute Français Du Petrole.—941/Mas/91.

--K--

Kinergy Corporation.—945/Mas/91, 946/Mas/91.

Kumar, K.N.S.—923/Mas/91.

Kumbhat, D.—954/Mas/91.

--L--

Lucas-Tvs Ltd.-935/Mas/91,

--M--

Mannesmann AG,-942/Mas/91.

Mars Incorporated--887/Mas/91, 893/Mas/91, 894/Mas/91.

Maschinenfabrik Rieter AG,-911/Mas/91.

Merlin Gerin.-901/Mas/91.

Mitutoyo Corporation .-- 927/Mas/91.

N

Norton Co.—940/Mas 91.

Novo Nordisk A/S.—905/Mas/91.

—o—

Opthalmic Research Group International—943/Mas/91.

—P—

Pall Corporation, The-955/Mas/91.

Philip N.S.—896/Mas/91.

Pilkington Visioncare Inc.-929/Mas/91.

Prakash, S.A.—932/Mas/91, 933/Mas/91.

Prakash, S.S.--917/Mas/91.

---R---

Raj, T.A.R. (Dr.)—918/Mas/91.

Rao, T.D.-948/Mas/91.

<u>--</u>S---

SMS Schloemann-Siemag AG.—931/Mas/91.

Saint-Gobain Vitrage International—915/Mas/91.

Seikagaku Kagyo Co. Ltd.—907/Mas/91.

Shet, G.V.-885/Mas/91, 909/Mas/91, 939/Mas/91.

Societ des Produits Nestle S.A.—936/Mas/91, 944/Mas/91. Sollac—930/Mas/91.

Southern Petrochemical Industries Corporation. Ltd.—919/Mas/91.

South India Textile Research Association, The—898/Mas/91, 903/Mas/91.

—T---

TI Diamond Chain Ltd.—895/Mas/91.

Takeda Chemical Industries, Ltd.—938/Mas/91.

Tampella Power Oy.-926/Mas/91.

Tecumseh Products Co.-904/Mas/91.

Thomas, D.J.-932/Mas/91, 933/Mas/91.

Travançore Rayons Ltd.—934/Mas/91.

Tyagarajan, K .- 912/Mas/91.

-U-

Union Oil Co. of California,-888/Mas/91.

--V---

Vaidyanathan, S .- 953/Mas/91.

Vijayan, T.A.P.—949/Mas/91.

__W_

Wacker-Chemie GmbH.—937/Mas/91.

DELHI

(1177/Del/91-1292/Del/91)

__A_

AMP Incorporated.—1181/Del/91.

Addioton Resources, Inc.—1208/Del/91.

Ainsworth Automation Inc.-1211/Del/91.

Agarwal, A.—1245/Del/91.

Agarwal, N.K. 1219/Del/91.

Amoco Corporation.—1289/Del/91.

---B---

BP Chemicals Ltd.—1186/Del/91, 1225/Del/91.

Bernard Castagner.—1205/Del/91.

Bharat Heavy Electricals Ltd.—1210/Del/91.

--C---

Chander, J.—1209/Del/91.

Chief Controller Research & Development-1243/Del/91.

Chemical Research & Licensing Co.-1237/Del/91.

Chenar Trust-1206/Del/91, 1207/Del/91.

Chhabra, H.—1192/Del/91.

Coflexip-1242/Del/91.

Colgate-Palmolive Co.—1184/Del/91, 1185/Del/91, 1290/ Del/91.

Council of Scientific & Industrial Research—1198/Dcl/91, 1199/Dcl/91, 1200/Del/91, 1201/Del/91, 1202/Dcl/91, 1203/Del/91, 1231/Dcl/91, 1232/Dcl/91, 1233/Dcl/91 1234/Dcl/91 1235/Dcl/91, 1236/Dcl/91, 1248/Dcl/91 1249/Dcl/91, 1250/Dcl/91, 1251/Dcl/91, 1252/Dcl/91, 1278/Dcl/91, 1279/Dcl/91, 1280/Dcl/91, 1281/Dcl/91, 1282/Dcl/91, 1283/Dcl/91, 1284/Dcl/91, 1285/Dcl/91. Esco Corporation.—1292/Dcl/91.

D

Dantex Explosives (Proprietary) Ltd.—1224/Del/91.

Denis, J.P.-1274/Del/91.

Director Forest Research Institute.-1244/Del/91.

Djelouah, M.—1272/Del/91.

Djelouah, N.-1272/Del/91.

Dorr-Oliver Incorporated.—1180/Del/91.

—E-

Edwin Lowe Ltd .-- 1241/Del/91.

Ericsson-GE Mobile Communications Holding Inc M/S.—1240/Del/91.

Esco Corporation.—1292/Del/91.

--G--

GPT Ltd.-1253/Del/91.

Gaches Chimie S.A.—1212/Del/91.

Gillette Co., The-1226/Del/91.

Glaverbel.—1255/Del/91,

—н—

Hermann Rerstorff Maschinenbau GmbH .- 1216/Del/91.

Howell, K.L.-1178/Dcl/91.

—I-

Imperial Chemical Industries PLC.—1204/Del/91, 1286/ Del/91.

__J__

Journeys End International Inc.-1230/Del/91.

--K--

Kalumburu Pty. Ltd.—1178/Del/91.

Kurtz, H.L.-1191/Del/91.

_1 __

L'Air Liquide, Societe Anonyone Pour L'Etude L'exploitation Des Proceeds Georges Claude,—1241/Del/91.

Loctite Corporation.—1197/Del/91.

Lubrizol Corporation., The-1287/Del/91, 1291/Del/91.

—M—

Mackay, C.A.—1191/Del/91.

Mistry, V.B.—1277/Del/91.

Motorola Inc.—138/Del/91, 1254/Del/91, 1269/Del/91, 1270/Del/91.

N

National Power PLC .-- 1190/Del/91.

Nayyar, S.-1221/Del/91, 1222/Del/91,

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Occidental Chemical Corporation.—1189/Del/91.

Ostergaard, H.J.-1229/Del/91.

—P—

Paul Pleiger Maachinenfabrik GmbH & Co. KG,—1239/ Del/91.

Procter & Gamble Co. The.—1193/Del/91, 1194/Del/91, 1195/Del/91, 1196/Del/91, 1215/Del/91, 1247/Del/91, 1266/Del/91, 1267/Del/91, 1275/Del/91, 1276/Del/91.

---R--

Richardson-Vicks, Inc.-1177/Del/91, 1268/Del/91.

Rohm & Haas Co.—1187/Del/91, 1228/Del/91.

--S--

SAB Wabco Holdings B.V.—1213/Del/91.

Shell Internajonable Research Maatschappij B.V.—1271/Del/91.

Sidwal Refrigeration Industries Pvt. Ltd.-1220/Del/91.

Sorelec-1273/Del/91.

Standard Oil Co. The-1182/Del/91, 1183/Del/91.

Steel Authority of India Ltd.-1179/Del/91.

---T---

Terres Refracturies Du Boulonnais.-1271/Del/91.

Tilby, S.E.—1256/Del/91, 1257/Del/91, 1258/Del/91, 1259/ Del/91, 1260/Del/91, 1261/Del/91, 1262/Del/91.

Tonen Corporation.—1288/Del/91.

Torotrak (Development) Ltd.—1227/Del/91.

---U---

Union Carbide Corporation .- 1218/Del/91.

University of Southern California-1188/Del/91.

w

Whirpool Corporation.—1246/Del/91, 1263/Del/91, 1264/Del/91, 1265/Del/91.

—Z--

ZB New Products Ltd.-1223/Del/91.

SUBJECT-MATTER INDEX AS PERINTERNATIONAL CLASSIFICATION SYSTEM OF THE COMPLETE SPECIFICATION ACCEPTED & NOTIFIED DURING THE YEAR—1990

[Continuity from Section-A follows]

[Date of Specification in 2nd column denotes; Date of complete specification/Anti-date/Post-date. 4 Classes of Applicants Code in the 7th column are the abridged forms; i.e., I=Indian Individual; IC=Indian Company; F=Foreign Individual; FC=Foreign Company]

SECTION B: PERFORMING OPERATIONS TRANSPORTING

No Case was accepted within the following classes:-

B 01 B : Boiling, Boiling apparatus	R	01 B	: 1	Boiling.	Bailing	apparatus
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B 02 B : Prenating grain for milling, Refining grannular fruit to Commercial Products by working the Surface.

B 06 : GENERATING OR TRANSMITTING MECHANICAL VIBRATIONS IN GENERAL.

B 06 B : Methods or apparatus for generating or Transmitting mechanical vibrations of infrasonic, sonic or ultrasonic frequency for performing mechanical work in general.

B 07 C : Postal Sorting, Sorting Individual articles or bulk material fit to be sorted piece-meal e.g. by picking.

DISPOSAL OF SOLID WASTE

B ())	В	:	Disposal	of Solid	Waste.
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B 21 G : Making needles, Pins or nails.

B 21 H : Making particular metal objects by rolling, e.g. screws, wheels, rings, barrels, balls.

B 21 L : Making Chains.

B 23 F : Making gears or toothed racks.

B 23 G : Thread cutting, working of scrows, bolt holds or nuts, in conjunction there with.

B 24 D : Tools for grinding, buffing or sharpening.

B 25 C : Hand-hold nailing or stapling tools, Manually-operated portable stapling tools.

B 25 D ; Percussive tools.

B 25 F : Combination or multi-purpose tools not otherwise provided for, Details or Components of portable power-driven tools not particularly related to the operations performed and not otherwise provided for.

B 25 G: Handles for hand implements.

B 25 H : Workshop equipment, e.g. for making out work, storage means for workshops,

B 25 J : Minipulators, Chambers provided with manipulation devices,

B 26 F : Perforating, punching, Cutting-out, Stumping-out; Sovering by means other than cutting.

B 27 B : Saws.

B 27 C : Plyning, drilling, milling, turning, or universal machines.

B 27 D : Working vaneer or plywood,

B 27 G : Accessory muchines or annuatus; Tools; Sufetydevices, e.g. for saw.

B 27 H : Bending; Cooperage; Wheel-making.

B 27 J : Mechanical working of cane, cork, or similar materials.

B 27 K : Processes, apparatus or selection of substances for imprognating, staining, dyeing, bleaching of wood or similar materials, or treating of wood, or similar materials with permeant liquids not otherwise provided for, chemical or physical treatment of cork, cane, rood, straw or similar materials.

B 27 L : Removing barkor vestiges or branches, splitting wood, Manufacture of veneer, wooden sticks, wood shavings, wood fibres or wood powder.

B 27 M : Working of wood not provided for in sub-classes B 27 B to B 27 L; Manufacture of specific wooden articles.

B 27 N : Manufacture by try processes of articles with or without organic binding agents, made from particles or fibres or consisting of wood or other lig absolutesic or like organic material.

B 28 D : Working stone or stone like materials.

- B 29 K : Indexing scheme associated with subclasses B29 B, C, D relating to moulding materials [for indexing only.]
- B 29 L : Indoxing scheme associated with subclass B 29 C, relating to particular articles [for indexing only.]
- B 31 : MAKING PAPER ARTICLES, WORKING PAPER.
- B 31 B : Making boxes, curtons, envelops or bags.
- B 31 C : Making wound articles, e.g. wound tubes.
- B 31 D : Making other paper articles.
- B 31 F : Mechanical working or deformation of paper or cardboard.
- B 41 B : Machines or accessories for making setting or distributing type, type; photographic or photoelectronic composing devices.
- B 41 C : Process for the manufacture or reproduction of printing surfaces,
- B 41 D : Appearatus for the mechanical reproduction of printing surfaces for stereotype printing, shaping elastic or deformable material to form printing surfaces.
- B 41 G : Apparatus for bronze printing, line printing or for bordering or edging sheets or like articles, Auxiliary apparatus for perforating in conjunction with printing.
- B 41 K : Stamps, stamping or numbering apparatus or devices.
- B 41 N : Printing plates or fails, Materials for surfaces used in printing machines for printing, inking, damping, or the like preparing such surfaces for use or conserving them.
- B 42 : BOOKBINDING, ALBUMS, FILES, SPECIAL PRINTED MATTER.
- B 42 B : Permanently attaching together sheets, quires, or signatures, or permanently attaching objects thereto,
- B 42 C : Book binding.
- B 42 D : Books, Book covers, Loose leaves, Printed matter of special formation style not otherwise provided for; Devices for use therewith; Movable strip writing or reading apparatus.
- B 42 F : Sheets temporarily attached together, filling appliances, File c.rds, Indexing.
- B 43 M : Bureau accessories not otherwise provided for.
- B 60 F : Vehicles for use both on rail and on road, Amphibious or like vehicles, convertible vehicles.
- B 60 M : Power supply lines, or devices along rails, for electrically propelled vehicles.
- B 60 V : Air-cushion vehicles.
- B 61 B : Railway systems, Equipment therefore not otherwise provided for.
- B 61 C : Locomotives; Motor railcars.
- B 61 D : Body details or kinds of railway vehicles.
- B 61 H : Brakes or other retarding apparatus peculiar to rail vehicles; Arrangements or dispositions of brakes or other retarding apparatus in rail vehicles.
- B 61 J : Shifting or shunting of rail vehicles.
- B 61 L : Guiding railway traffic, Ensuring the safety of railway traffic.
- B 62 C : Vehicles drawn by animals.
- B 63 C : Launching, hauling-out or dry docking of vessels, Life-saving in water, Equipment for dwelling or working under water, Maans for salvaging or searching for under water objects.
- B 63 G : Offensive or defensive arrangements on vessels, Mine-laying; Mine-sweeping, Submarines, Air-craft carriers.
- B 63 H : Murine propulsion or steering.
- B 64 B : Lighter-than-air.
- B 64 G : Cosmonautics, Vehicles or equipment therefor.
- B 65 F : Gathering or removal of domestic or like-refuse.
- B 67 C : Cleaning, filling with liquids or somi-liquids or emptying of bottles, jars, cans, casks, barrels, or similar containers not otherwise provided for, Funnels.
- B 68 B : Harness, Devices used in connection therewith, whips or the like.
- B 68 C : Saddles, stirrups.
- B 68 F : Making articles from leather, canvas or the like.

SECTION—B

B 01 ;

PHYSICAL OR CHEMICAL PROCESSES OR APPARATUS IN GENERAL.

B01D :

SEPARATION.

Specn. No.	Date of Speen.	Applicant for Patent	Title of the Invention.		Class.	ndian Classifi- cation.	Appli- cant Code,
1	2	3	4	5	6	7	8
165844	16-10-86	INFILCO DEGREMONT INC.	Installation for cleansing a filter bed.	27-01-90	25/00	80-E	FÇ,
165862	17-01-86	TLV CO. LTD.	Gas-water separator.	03-02-90	53/2	4 40-E	FC.
165921	30-10-87	MONTEDIPE S.P.A.	Thin-layer evaporator for high-viscosity fluids,	10-02-90	1/00	56-D	FC.
165925	27-06-84	UNION CARBIDE CORPORATION.	A pressure swing adsorption system.	10-02-90	53/0	2 40-H	FC.
165986	08-08-86	PUROLATOR PRODUCTS INC.	A fluid filter.	17-02-90	35/00	80-E	FC.
165995	25-01-86	UNION CARBIDE CORPORATION.	An adiabatic pressure swing adsorption process.	24-02-90	15/00	40-H	FC.
166095	12-06-86	CONTEMPO PRODUCTS.	A two part device for shutting-off and severing a tube particularly a tube used in dialysis or intravenous injection.	10-03-90	13/00	128 FG	FC.
166180	18-10-85	SURENDRA KUMAR	Process for the recovery of H_2S from gas mixture.	24-03-90	53/00	39-A-E	I.
166241	11-10-85	IMPERIAL CHE- MICAL INDUS- TRIES PLC.	A process for the recovery of carbon dioxide from a gaseous mixture.	31-03-90	53/02	40-H	FC.
166242	11-10-85	IMPERIAL CHEMI- CAL INDUSTRIES PLC.	A process for the production of ammonia synthesis gas.	31-03-90	53/02	40-H	FC.
166401	10-09-86	AUSIMONT S.P.A.	Filtration device for oils used as the operating fluid in vaccum pumps.	28-04-90	35/02	80-A	FC.
166413	21-02-86	UNION CARBIDE CORPORATION	Pressure swing adsorption process for the separation of hydrogen, methane, carbon dioxide and the like and a system for carrying out the process.	05-05-90	53/02	40-E	FC.
166493	03-12-85	SHELL INTER- NATIONALE RESEARCH MAATSCHAPPIJ B.V.	Process for producing a substantially H_2S -free gas from a sour gaseous stream such as naturally occurring gases, synthesis gases, process gases and fuel gases.	19-05-90	53/14	40-H	FC.
166520	01-10-84	FABCON INCORPORATED.	Process for flocculating and clarifying a solid-liquid slurry.	19-05-90	43/00	40-F	FC.
166530	29-05-86	EBARA CORPORA-	Hollow finer filter device.	26-05-90	33/06	80-H	FC.
166595	05-02-86	AE PLC,	Disposable cartridges for centrifugal separators.	09-06-90	27/00	37- C	FC.
166613	14-08-86	TEXACO DEVELOP- MENT CORPOR- ATION	A process for removing a gaseous sulfur component from a mixture of gases con- taining sulfur oxides.	16-06-90		40A1 and 40-H	FC.
166625	30-04-87	NESTLE OY.	Procedure for concentrating aqueous alchol solutions by prevaporation,	23-06-90	13/00	40-E and 56-G	FC.

1	2	3	4	5	6 7	**************************************
166627			Y. A process for obtaining a stream of non- acid gas substantially free from acid gas with which it is mixed.	23-06-90	47/00, 88-F 53/14	FC.
166753	21-11-85	SYRINX RESEARCH PTY LTD.	A method of osmotic distillation and apparatus for carrying out the same.	14-07-90	13/00 56-D	FC.
166760	11-06-86	1. LUCIEN CHAST AN-BAGNIS. 2. ALAIN CHASTAN- BAGNIS.	Decont amination apparatus for cleaning bodies of water.	14-07-90	43/00 '40F	F.
166807	12-10-87	SATISH DAMODAR TANKSALE.	A fly ask arrester for boilders.	21-07-90	45/06, 176AI; 53/24 37A.	I.
166866	12-03-86	EPOC LIMITED.	A flexible filter support for microfiltration, ultrafiltration or reverse osmosis, of fluids.	28-07-90	29/14 80-B- Group-	FC. VI,
166972	05-05-87	ION EXCHANGE (INDIA) LIMITED.	An improved continuous closed water filter.	11-08-90	29/08 80A & I GROUP-V	
167044		HIRAYAMA SETSUBI KABU- SHIKI KAISHA.	A cleaning unit for making a clean room.	25-08-90	45/00, 6-A ₂ - 46/00 GROUP XLVII(1)	
167187	26-03-86	PERETZ ROSENBERG.	Direct-flushing fluid filter.	15-09-90	25/08 80-K- GROUP-VI	F.
167300	31-10-88	KUMAR PROCESS CONSULTANTS & CHEMICALS PVT, LTD.	An Improved filtering device.	06-10-90	. 23/04 80-I-VI	IC.
167323	06-06-86	F.L. SMIDTH & CO. A/S	Seperator for sorting particulate material.	06-10-90	45/14 6B ₃ -& 167C GROUS- XLVII(1 XXXIV	
167377		METALLGESELLS- CHAFT AKTIENGE- SELLSCHAFT.	Process for recovery of valuable gases from a laden absorbent solution.	20-10-90	3/00 40-E; 88-F	FC.
167389		SHELL INTER- NATIONALE RESEARCH MAATSCHAPPIJ B.V.	Apparatus suitable for solids-fluid separation.	20-10-90	45/00 167-F XXXIV —(4)	FC.
167443	15-05-86	THE DOW CHEMI- CAL COMPANY.	A composite membrane structure and the method of preparing the same	27-10-90	13/04 · 80-K - GROUP VI	FC.
167520	28-04-87	COSUDARSTVENNY PROEKTNO-KONS- TRUKTORSKY I EXPERIMENTALNY INSTITUT POOBOGATIELHONU OBORUDOVANIJU GIPROMASHOBOGAS ENIE AND NAUCHNO- ISSLEDOVATELSKY PROEKTNY INSTITU OBOGASCHENIA I MEKEANICHESKOI OBRABOTKI POLEZ- NYKH ISKOPAEMYI (URALMEKHANOBR	SCH -I VT 	10-11-90	35/06 167 C	FC.

1	2	3	4	5		6 7	8
167561	06-07-87	METALLGESELLS- CHAFT AKTIENGE SELLSCHAFT.	Apparatus for the purification of gases.	17-11-90	46	/00 40-1	н гс.
167585	14-07-86	L'AIR LIQUIDE, SOCIETE ANONY- ME POUR L'ETUDE ET L'EXPLOI- TATION DES PROCEDES GEORGES CLAUDE	•		i 5	1/00 6-3	B-I F(
167696	14-08-87	METALLGESELLS- CHAFT AKTIENGE- SELLSCHAFT.	Process of desulfurising a first and a secgas each gas containing CO_2 and sulfur compounds.	ond 08-12-90	47 <i>/</i> 53/		H;88-F FC.
167753	25-07-86	EXXON RESEARCH AND ENGINEERING COMPANY AND TECHNICAL DEVELOPMENT AN RESEARCH WORK.	3	15-12-90	53/	14 40H	IV(1) FC.
167754	11-08-86	PETERSON FILTERS CORPORATION.	Apparatus for gravity sedimentation separation of solids from liquids.	15-12-90	21/00	80H(V	I) FC.
167784	27-09-83	ENGELHARD CORPORATION.	Process for decomposing ammonia in a gas stream.	22-12-90	\$3/00	40 -H	FC.
167805	03-08-86	LINDE AKTIENGESELLS- CHAFT.	A pressure swing adsorption process.	22-12-90	53/02 [(40-H Group-IV	FC.
	<u> </u>	B 01 F: 1	Mixing, e.g. dissolving, emulsifying, dispersin	g.			
165847	27-06-86	HALVOR FORBERG.	A machine for mixing particulate material,	2 7- 01- 9 0	7/00	1 3 2-A2	F.
165960	03-01-86	KENNECOTT CORPORATION.	An agitator.	17-0 2-9 0	7/0 2, 9/10	132-C	FC.
166266	03-12-85	GORAN PERSSON MASKIN AB.	A device for beating and mixing of liquids and batters.	07-04-90	7/30	49-D & E	FC.
166607	17-12-85	атоснем.	Process for the preparation of anthra- quinone dispersion.	09-06-90	3/00	132-D- XXXIV(FC.
166773	16-06- 8 6		Apparatus for mixing a liquid or liquid suspension medium contained in a vessel.	14-07- 9 0	7/00	132 C/E	FC.
1 6735 0	06-11-85		Apparatus for treating molten metal with a gas.	13-10- 9 0		130- F - Group ! EXXI II(7	FC.
167429	27-05-88	HINDUSTAN LEVER LIMITED.	A non-conveying mixer for mixing material.	27-10-90		32B ₁ +D EXXIV(3 170D+ B XLIII())
1674 67	01-07-88	1. NAMJOSHI ANAMD NARAYAN 2. PATEL CHIMAN- LAL GOVINDBHAI 3. PATEL MANUBHAI BHAILALBHAI 4. KARNADIKAR SHANKAR GANES				32D,B ₂ (XXIV- (3).	ī.

1	2	3	4	5	6	7	8
167468	01-07-88	1. MAMJOSHI ANANT MARAYAN.	An improved method and an apparatus for blending continuously two or more phases of materials in different physical forms.	03-11-90	13/00	132D C- XXIV- (3)	I.
		2. PATEL CHIMAN- LAL GOVIND- BHAI.					
		3. PATEL MANUBHA BHAILALBHAI.	AI				
		4. KARANDIKAR SHANKAR GANES	in .				
167613	29-01-87	ARMATUREN- FABRIK WALLISELLEN AG.	Actuating device for a single lever mixing fixture.	24-11-90	3/08	1 32/C	FC.
		B 01 J:	Chemical or physical processes, e.g. catalysis, c	olloid ahemis	itr y: The i	rolevant:	ippārāt us .
165776	20-08-85	SHELL INTER- NATIONALE RE- SEARCH MAATSCHAPPIJ B.V.	Process for the preparation of hydro- carbons by catalytic reaction of carbon monoxide and hydrogen.	06-01-90	11/24	12B	₽ C.
165793	25-04-86	ENGELHARD CORPORATION.	Process for producing zeolitic microsphere fluid cracking catalysts.	13-01-90	8/00	40-) B	FC.
165875	23-08-85	UNION CARBIDE CORPORATION.	An improvement in fluidized bed polymerization reactor.	03-02-90	8/24, 8/34	40-F	FC.
165885	23 -02-87	WASHINGTON UNIVERSITY TECHNOLOGY ASSOCIATES, INC.	A method for granulation of a powdery material and apparatus for carrying out said process.	03-02-90	2/00, 3/12,	40-F	FC.
16 59 49	24-02-84	ENGELHARD CORPORATION.	A method for making a fluid catalytic oracking catalyst for cracking petroleum feedstocks.	17-02-90	21/16, 29/08.	4 0- B	FC.
65961	12-09-85	HOECHST AKTIENGESELLS CHAFT.	Apparatus for electrically separating electrolyte common mains from a bipolar electro-chemical cell pile and individual cells from each other.	17-02-90	19/08.	72-A	F C.
166013	25-07-85	ETABLISSEMENT GERSAN.	Fasder for feeding discrete objects.	24-02-90	8/10	40 -F	FC.
166044	14-08-87	INDIAN PETRO- CHEMICALS COR- PORATION LIMITED.	Process for the preparation of improved Zactive copper catalysts having enhanced surface area.	03-03-90	23/72	40- B -IV (1)	IC.
166062	06-03-87	James Franklin Angelo II.	Combustion device for the selective in- cincration or earbonization of waste materials.	10-03-90	19/00	95-L	y.
66102	14-03-86	UOP INC.	A process for regenerating coke-contaminated catalyst.	17-03-90	38/12	40- B	¥C.
66141	30-07-85	IMPERIAL CHEMI- CAL INDUSTRIES PLC.	A process for the production of an oxidic catalyst progresor composition.	17-03-90	21/04	40-B	FC.
166142	30-07-85	IMPERIAL CHAMI- CAL INDUSTRIBS PLC.	A process for the production of an oxidic catalyst premireor composition.	17-03-90	21/04. 23/74	40-B	FC.
.66143	30-07-85	IMPERIAL CHEMI- CAL INDUSTRIES PLC.	Method of making a pelleted precursor,	17-03-90	21/04. 23/74	40-В	FC.
66146	20-03-86	IMPERIAL CHEMI- CAL INDUSTRIES PLC.	A process for the production of an oxidic promoted, Ammonia synthesis catalyst precursor composition.	17-03-90	21/04, 23/74 .	40 -B-IV (1)	FC.

1	2	3	4	5	6	7	8
166149	25-03-86	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	Process for the preparation of crystal line alumino-phosphate catalysts.	17-03-90	27/18	40-B	IC:
166173	10-09-85	KABUSHIKI KAISHA KOBE SEIKO SHO.	Method and apparatus for fluidized bed reduction of iron ere.	24-03-90	8/24. 8/26.	48-A ₂	JC.
166188	23-03-87	COUNCIL OF SCIBNTIFIC AND INDUSTRIAL RESEARCH.	Microprocessor based automated control unit for monitoring multi electrochemical protection system.	24-03-90	19/09	70- C 5	IC.
166203	22-07-87	SANTRADE LIMITED.	A granulatting device with a perforated hollow cylinder.	31-03-90	2/12	93- XXXIII- (4)	PC.
166208	05-08-87	HINDUSTAN LEVER LIMITED.	Process for proparing a silica/magnesia catalyst cogel base.	31-03-90	21/14, 21/16.	40- B -IV(1)	IC.
166342	16-10-85	ALUSSUISSE ITALIA S.P.A.	PROCESS for the proparation of an improved catalyst complex for partial oxidation of hydrogarbons to maleic anhydride.	14-04-90	27/14/ 27/19		FC.
166568	03-03-86	SOUTHERN PETRO- CHEMICAL IN- DUSTRIES COR- PORATION LTD.	A Process for the recovery of copper in elemental form and zine as zine sulphate from low temperature carbon monoxide spent catalyst.	0 9-06-9 0	,	130-I, 39-P	IC.
166623	03-02-87	1. HUBERT EIRICH. 2. PAUL EIRICH. 3. WALTER EIRICH.	A method of and an apparatus for produc- ing treated power station residues, in par- ticular from filter 24h, for conversion into easily disposable form.	2 3- 06 -9 0	1/00	40- F	¥.
166701	05-12-86		A process for the manufacture of ketonisation catalyst for the conversion of othyl alcohol to acctone.	07-07-90	23/76	40- B	IC.
166774	18-06-36	EXXON CHEMICAL PATENTS INC AND TECHNICAL DE- VELOPMENT AND RESEARCH WORK.	A mathod for preparing an olefin polymerization supported catalyst.	14-07-90	21/06	40- 1 -1 V -(1)	FC.
166775	24-06-86	SOCIETE CHIMIQUE DES CHAR- BONNAGES S.A.	Improved apparatus for effecting accura- tely in line and continuously the weight feeding of granulated or pulverulent pro- ducts.	14-07-90	2/00 12/2	-	FC,
166791	18-06-84	DU PONT CANADA INC.	An improved process for preparing a coordination catalyst for use in the preparation of high molecular weight polymers of ∞ -oleflus.	21-07-90	31/0 37/0	0, 40-B D.	FC.
166822	18-11-85	BP CHEMICALS LIMITED.	Method of manufacturing a supported catalyst for the copolymerisation of ethylene in gas phase.	21-07-90	21/	90 39E 111.	FC.
166852	25-02-86	UOP INC.	Method and apparatus for producing alumina based catalyst particles containing a reduced platinum metal.	28-07-90	21	/04 40-B	FC.

1	2	3	4	5	6	7	8
166883	23-02-87	WASHINGTON UNIVERSITY TECHNOLOGY ASSOCIATES INC:	A method for granulation of a powdery material.	04-08-90	2/00, 2/28.	93-C, -A,D,E.	FC.
166906	07-●9-\$8	HINDUSTAN ORGANIC CHEMI- CALS LIMITED.	A pretreatment process for easy and safe removal of deactivated copper chromite catalyst from multitubulor reactors.	04-08-90	38/00, 38/12, 38/14, 23/16, 23/72.	40B1V(1) 39N(III)	, IC.
166910	27-10-87	ION EXCHANGE (INDIA) LTD.	A process for preparing improved cation exchange resin.	04-08-90	37/30	32-E	IC.
166937	18-02-86	AKZO N.V.	A fluidizable cracking catalyst composition	11-08-90	21/06, 23/02, 29/06	40-B	FC.
167119	23-10-86	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	Process for the preparation of crystalline phospho-alumino-silicate catalysts.	01 -09- 90	20/1	5 40 -B	1C.
167178	24-06-86	SOCIETE DES PRODUITS NESTLE S.A.	Process and apparatus for producing agglo- merated water soluble particulate materials such as the soluble or instant coffee.	15-09-90	2/00, 2/16,	185-C&E -(Group) XVIII,	
167216	04-04-86	DEUTSCHE TEXACO AG,	A process for producing an improved strongly acidic cation exchange material for use as a long life catalyst.	22-09-90	31/10, 39/08	40-B- Group-1V(FC, I)
16722	29-09-88	PROJECTS & DEVELOPMENT INDIA LTD.	A process for manufacture of improved hydrogenation catalyst based on copper oxide supported on kieselgur for the conversion of crotonaldehyde to N-Butanol.	22-09-90	23/00, 23/72		IC.
167224	10-04-87	ARLIN CARVEL LEWIS.	A process for the gasification or combined gasifications and liquefacation of carbonaceous materials in an electrolytic cell.	22-09-90	19/00	70-C ₃ ; 5	F.
167297	07-03-88	INDIAN PETRO- CHEMICALS CORPN. LTD.	A process for the preparation of an improved catalytic composite material useful for the alkylation of toluene with methanol to xylenes.	06-10-90	11/00	40B-IV (I); 32B-IX(I)	IC,
167324	11-06-86	CHARBONNAGES DE PRANCE (ESTABLISHMENT PUBLIC).	A device for controlling the supply of fluidizing gas for a fluidizing grating.	06-10-90			FC.
167342	11-06-86	F.L. SMIDTH & CO.	Gas suspension reactor.	13-10-90	8/10	40-F- Group-IV (I).	FC.
167440	30-06-86	SHELL INTER- NATIONALE RESEARCH MAATSCHAPPIJ B.V.	Multitube reactor for carrying out a process for catalytic coversion of a gas or a liquid.	27 -10-9 0	8/00	40-A ₁ & ₂ - Group-1V (I)	FC.

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PART III--SEC 2]

19-02-86 HIRAYAMA

SETSUBI

KAISHA.

KABUSHIKI

167044

1	2	3	4	5	6	7	8
167448	12-06-86	SNAMPROGETTI S.P.A.& NIMSK- NAUCHNOISLE- DOVATELSKII INSTITUTE MONOMEROV DLIA SINTETI- CHESKOGO KAUCHUKA.	Method for the preparation of a catalyst for the dehydrogenation of C ₃ -C ₅ paraffins.	27-10-90			FC.
16766 9	01-12-86	IMPERIAL CHEMI- CAL INDUSTRIES PLC.	A catalyst system for the formation of forms.	01-12-90	31/04	40B-IV (I)	FC.
167707	06-11-86	SHELL INTER- NATIONALE RE- SEARCH MAATSCHAPPIJ B,V,	A method for the preparation of a catalyst suitable for the preparation of hydrocarbons.	08-12-90	21/06, 23/70.		FC.
167750	17-12-87	OPYTNO- EXPERIMENTALNY ZAVOD POLI- MERIYKHIZDELY.	Process for preparing rubber powder from natural or synthetic rubber.	15-12-90	2/00	104- K	FC,
167751	25-02-86	THE M.W. KELLOGG COMPANY,	Hydrotreating reactor for hydrotreating hydrocarbons.	15-12-90	10/00	40-A ₂	FC.
167821	11-02-87	1. NADIR MIR- IBRAGIM OGLY SEIDOV. 2. FAIG OMAR OGLY GUSEINOV. 3. TOFIC NIYAZ OGLY ALLAKHVE RDIEV. 4. FARKHAD AKHAD OGLY ALIEV. 5. VALENTINA FEDOTVNA MAMEDOVA. 6. KASUM GASAN OGLY KASUMOV. 7. ALEXI PAVLOVICH VOROZHEIKIN.		29-12-90	31/00, 31/22.	40+B	P.
		B 01 L :	Chemical or physical laboratory apparatus	for general :	ISP	/	
166407	06-10-86	ISOVER SAINT-	Method of and appartus for forming an insulating sheath particularly of mineral fibres, covered with a film.	28-04-90		48/C	FC
166834	25-02-87	ANTHONY ATHANASSLADIS.	A continuous method of deodorising or unacidifying food oils fats and apparatus therefor.	21-07-90	11/00	40-F, 7 7-D	F.

A cleaning unit for making a clean room,

25-08-90

1/04 6-A2-

Group-

XLVII(I)

FC.

गमस	GAZETTE	Œ	TNTOTA	APPIT	25	1002	(VAISAKHA	5	101%)	
THE	QUEET IE	O.	TINITITY.	MINI	∠J.	1772	(AWIOWWA)	Э.	13/14/	

530	THE	GAZETTE OF IN	DIA, APRIL 25, 1992 (VAISAĶI	IA 5, 1914	η (I	PART III	SEC.
1	2	3	4	5		7	8
B 02	: CRUS		OR DISINTEGRATING; PREPARATOR	RY TREATM	IENT OF	GRAIN I	FOR
B 02 C	: CRUS	HING, PULVERISING (OR DISINTEGRATING IN GENERAL, M	IILLING GR.	AIN.		
65878	28-08-85	REIMBOLD & STRICK GMBH & CO.	Annular gap-type ball mill for pulverizing hard mineral substances.	03-02-90	15/00	94-A	FC.
65903	14-07-86	COMBUSTION ENGINEERING, INC.	Mechanical spring journal assembly for a bowl mill.	10-02-90	2/00	94-B	FC.
166024	06-11-85	F.L. SMIDTH & CO.A/S.	A swept tube mill for grinding particulate material,	03-03-90	13/02	94-G	FC.
166118	22-07-87	1. VIRENDRA KHANTILAL SHAH 2. RAJU MANIKANT KOTHARI 3. VIKRAN MANIKANT KOTHARI. 4. RAMESH AMULAKHARAI SHAH, AND PARTNERS OF ELECTRO-MECH ENGINEERING.	An improved flour mill.	17-03-90	7/00	94-E	I, IC.
166160	10-04-87	WALCHAND NAGAR INDUS- TRIES LIMITED.	An improved sugar cane mill roller,	24-03-90	4/00	94-1	IC
166229	28-05-86	KRUPP POLYSIUS AG.	Apparatus for two-stage crushing of brittle material.	31-03-90	4/42	94-H	FC
66426	05-11-86	COMBUSTION ENGINEERING INC.	Articles embodying a wear resistant surface layer.	05-05-90	4/00	94-H	FC
66429	14-11-86	THE BABCOCK & WILCOX COMPANY	improved safety control device for a coapulverizing mill.	1 05-05-90	11/06, 25/00,	94-G;E	F¢.
66724	25-07-86	FULLER COMPANY	Grinding mill.	14-07-90	4/ 00, 4/02.	94H	FC.
66964	25-06-86	KRUPP-POLYSIUS AG.	Apparatus for the crushing of material for communication.	or 11-08-90	4/00, 4/02.	94H	FC.
67322	30-05-86	HITACHI ZOSEN CORPORATION.	Milling apparatus,	06-10-90	4/02.	94-I- Group- XXXIII (4)	FC.
167469	12-08-88	MOHAN PRABHA- KARA SHIRGAONKAR.	A roller for extracting juice from sugar- cane.	- 03-11-90	4/28	941- XXXI	I. II(4)
67624	30-12-86	BELGORDSKY TECHNOLOGY CHESKY INSTITUT STROITELNYKH MATERIALOV IMENI I.A. GRISHMONOVA	Ball-tube mill for grinding of materials	s. 24-11-90	17/06, 17/18.	94 A- XXXIV	FC. (2)

	2	3	4	5	6	7	8
 67625	39-12-86	BELGORODSKY TEKHNOLOGI- CHESKY INSTITUT STROITELNYKH MATERIALOV IMENI I.A. GRISHMANOVA,	Ball-tube mill for grinding of material required for industrial uses particularly in the compatitud mining industries.	24-11-90	17/06, 17/18	94A- XXXIV(2)	FC.
67648	07-12-87	1. KRASNOYARSKY POLYTEKH- NICHESKY INSTITUT. 2. INSTITUT KHIMII TVERDOGO TELA I PERERABOTKI MINERALNOGO SYRYA SIBIRSK OGO OTDELE NIA AKADEMII NAUK SSSR.	_	01-12-90	15/00	94-A,G	FC.
167743	14-07-\$6	NAUCHNO IZSLEDOVATELSKI INSTITUT PO CHERNA METALURGIA.	Dise Mill.	15-12-90	•	94-C- Group- XXXIV(2)	FC,
В 03		RATION OF SOLID MA NETIC OR ELECTROS	TERIALS USING LIQUIDS OR USING PN FATIC SEPARATION.	EUMATICT	ABLES	OR JIGS;	(i)
в 03 в	: Sopr	ating solid materials us	ding liquids using procumatic tables or jigs.				
165795	02.06.06						
	0.2-00-80	KLAUS SCHONERT.	Mothod for obtaining ore/mineral con- contrates from raw ores/raw materials and a jig therefor.	13-01-90	5/00	198-A	F.
165954			contrates from raw ores/raw materials and	13-01-90 17-02-90		198-A 141/D	F.
		LOWAN (MANAGE- MENT) PTY LIMITED.	contrates from raw ores/raw materials and a jig therefor.		4 /00	141/D	
165987	23-01-86 29-09-86	LOWAN (MANAGE- MENT) PTY LIMITED. CRA SERVICES	contrates from raw ores/raw materials and a jig therefor. Centrifugal jig. Apparatus for classifying particulate	17-02-90	4/00 13/00	141/D	FC
165987 166704	23-01-86 29-09-86 18-12-86	LOWAN (MANAGE-MENT) PTY LIMITED. CRA SERVICES LIMITED. 1. AMBERGER KACLINWEREKE GMBH. 2. DYNAMIT	contrates from raw ores/raw materials and a jig therefor. Centrifugal jig. Apparatus for classifying particulate material. An improvement in a multistage arrangement for countercurrent washing of	17-02-90 17-02-90	4/00 13/00 3/00	141/D 167-C <u>'</u>	FC.
165954 165987 166704 167158 167227	23-01-86 29-09-86 18-12-86 29-06-87	LOWAN (MANAGE-MENT) PTY LIMITED. CRA SERVICES LIMITED. 1. AMBERGER KACLINWEREKE GMBH. 2. DYNAMIT NOBEL AG. UNIVERSITY OF	contrates from raw ores/raw materials and a jig therefor. Centrifugal jig. Apparatus for classifying particulate material. An improvement in a multistage arrangement for countercurrent washing of suspended solid particles. Apparatus for control of jig separators for minerals. Method of processing red mud waste product of alumina production.	17-02-90 17-02-90 07-07-90	4/00 13/00 3/00	141/D 167-C <u>*</u> 198-B	FC.

1	2	3	4	5	6	7	1
167712	02-05-86	ZABRZANSKIE GWARECTWO WEGLOWE KOPADNLA WEGLA KAMIENNEGO, "ZABRZE- BIELSZOWICE"	Pulsator for enriching minerals such as hard coal.	08-12-90	5/60 5/28	, 198A&: . Group- XXXIV	•
		В 03 С:	Magnetic or electrostatic separation.				~—·-
166510	08-07-86	F.L. SMIDTH & CO.A/S.	Triggering circuit for thyristor protection in an electrical pulse generator.	19-05-90	3/6	5 206H-1	FC
		B 03 D:	Flotation; Differential sedimentation.				
166704	18-12-86	 AMBERGER KACLINWEREKE GMBH. DYNAMIT NOBEL AG. 	An improvement in a multistage arrangement for countercurrent washing of suspended solid particles.	07 - 07-90	1/00, 3/00	198 - b	FC.
167219	10-04-86	KEMIRA OY.	An improvement in a process for the separation of phosphate minerals from a phosphate ore.	22-09-90	1/02	198-B- Group- XXXIV (5).	FC
67321	20-05-86	HENKEL KOMMANDIT- GESELLSCHAFT AUF AKTIEN,	A process for recovering of non-sulfidic minerals from an ore by flotation.	06-10-90	1/00	198-B- Group- XXXIV(FC. 5)
В	04	: CENTRIFUGAL APPA PROCESSES.	ARATUS OR MACHINES FOR CARRYING	GOUTPHYS	ICAL OF	СНЕМІС	CAL
В	04 B	: Centrifuges.					
66541	02-04-87	BELOIT CORPORATION.	Rotating separator.	02-06-90	3/00	37-A	FC.
66962	25-04-86	UNITED COAL COMPANY,	A contrifuge.	11-08-90	1/00	37-B	FC.
В	04 C :	Apparatus using free vort	ex flow e.g. cyclones.				
66611	17-06-86	B.W.N. VORTOIL RIGHTS CO. PTY LTD.	Cyclone separator,	16-06-90	7/00	37-A	FC.
67566	26-08-87	BWN VORTOIL LIMITED.	Cyclone separator.	17-11-90	3/00	37-A	FC.
67574	27-10-86	SHELL INTER- NATIONALE RE- SEARCH MAATSCHAPPIJ B.V-	Apparatus and process for solids-fluid separation.	17-11-90	•	40 F- Group- IV(I)	FC.

B 05 B : Sortying apparatus, atomising apparatus; Nozzles.

165737 28-04-86 NORD3ON Powder spray gun for spraying air 14-07-90 7/00 173B FC. CORPORATION. entrained solid particulate powder. _____

1	2	3	4	5	6	7	8
166904	25-04-88	STATEFIELD EQUIPMENTS PVT, LTD,	Improvement in or relating to spray gun.	04-08-90	7/0	2 173-B- XXIX.	IC.
155331	11-21-36	NORDSON CORPORATION.	Electrostatic spray coating apparation.	11-08-90	1/00 5/00		FC.
167080	11-06-87	CASTOLIN S.A.	A device for the thormal spraying of build up welding materials.	25-08-90	1/0 15/), 188 00	FC.
167083	27-01-86	PERETZ ROSENBERG.	A pulsator device connectible to a pressurized fluid supply line for converting the fluid pressure of the line to a pulsating pressure.	25-08-90	1/08	5. 5-D, 101-D& 173-A&B Groups: 1 XXVIII(2 XXIX(2).	(1);)&
167381	07-04-86	THE DOW CHEMI- CAL COMPANY	A tap outlet in a floor of a vessel through which the liquid contents of said vessel may be drained.	20-10-90	1/00	85-C& 195-D Groups- XXXI & XXIX(3)	FC.
	B 05 C	: Apparatus for applying	ng liquids or other fluent materials to surfaces,	in general.		· -	·——
.66079	29-08-83	CHANABASAPPA BASALINGAPPA GANJI.	High pressure high temperature beam dyoing machine having partially flooded system and a process of dyeing polyester and/or polyester blended fabrics/yarn, by the said machine.	10-03-90	5/0	0 62-B- XXII(I)	I.
66688	01-10-86	VIDEOCOLAR.	Machine for depositing a product on a plane horizontal surface of an object.	30-06-90	19/00	194-B	FC.
67080	11-06-87	CASTOLIN S.A.	A device for the thermal spraying of build up wolding materials.	25-08-90	19/0	188	FC
	B 02 D	: Processes for applying	ng liquids or other fluent materials to surface	ces, in gener	al.		· -
67801	17-07-86	MASCHINEN- FABRIK RIETER AG.	A flock dolivery system.	22-12-90	1/40) 172-C ₉ - Group-X	FC. X.
		B 07: SEPAR	ATING SOLIDS FROM SOLIDS; SORTII	۷G			
В	07 В	· Separating solids from	solids by sieving, screening, or sifting or by u bulk material, e.g. loose articles fit to be handle	sing gas curr	ents; Otl aterial.	or soparatii	n g by dr
66204	24-07-87	FLEXISTACK PTY. LTD.	A mesh screen,	31-03-90		167-E,B,C- XXXIV (4)	FC.
66832		CRA SERVICES LIMITED.	Apparatus for feeding a body of particulate material and transportation thereof on particle by particle basis.	21-07-90	7/00	125B ₁ & B ₂	FC.
66869	17-04-86	FI SMIDTH & CO. A/S.	Separator for sorting particulate material.	28-07-90	•	167-G- Group- XXXIV (4),	FC.

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[PART III-SEC. 2

1	2	3	4	5	6	7	8
в 08 :	CLEANIN	1G			_,		
зв :	Camui	i pional; Provention of	fouling in general.				
, 5357		L.B.C. 333V(CB3 (PROPRIETORY) LIMITED.	Conveyor bolt scraper units.	27-01-90	1/02	116-C	FC.
151122	24-17-85	CATERPILLAR INC.	An 1994ratus flushing foreign particles from a passage in an engine block.	03-03-90	3/02, 5/02	151-B	FC.
166296	01-11-85	VAN ROMPAY BOUD.	Scraper for removing growths such as anemones mussels, ser-woods, algre and calcareous growths from flat or arched surfaces.	07-01-90	13/00	71-G	F.
167079	27-05-87	UNISHEFF VENTURES LIMITED	A method of preserving fabricated structures in contact with sea water from marine biofouling.	25-08-90	17/00	40-F	FC,
I		CHANICAL METAL-W	ORKING WITHOUT ESSENTIALLY REM	OVING MA	TERIAL	; PUNCHI	NG
F	3 21 B : R	olling of metal.					
166019	06-09-85	SUMITOMO METAL INDUSTRIES LTD.	A method and a system for continuou ly rolling a bloom or biliet.	24-02-90	13/12, 37/02.	129-J	FC.
166784	11-03-88	остокимри оу.	A method for manufacturing tubes, bars and strips of a non-ferrous metal.	14-07-90		129 J.B, G- Gr. XXXV	FC.
1667 95	28-07-87	SUMITOMO IÆAVY INDUSTRIES LTD.	Inertia force balancing apparatus.	21-07-90	21/00, 37/00.	-	FC.
166913	22-08-85	ALLEGHENY LUDLUM STEEL CORPORATION.	An improved method and apparatus for direct casting of molten metal into continuous strip of crystalline metal.	04-08-90	1/46	33-A, 129-J	FC.
•	B21C:		sheets, wire rods, tubes or profiles, otherwise ctal-working without essentially removing m		ьқ; Анхіі	iary opeisi	lions u
165748	17-07-86	N.V. PHILIPS' GLOBILAMPEN- FABRIEKEN.	Method of manufacturing a drawing die.	06-01-90	3/00	33-F	FC,
165 8 0 7	13-12-85	STEVENS & BULLIVANT LIMITED.	An apparatus for reduction extrusion of tubes.	13-01-90	23/00	1 3 6-C	FC
166406	23-09-86	MR. NORBERT UMLAUF,	Device for pulling or drawing metallic strips,	28-04-90	1/00	129 -B	F,
166784	11-03-88	оитокимри оу.	A method for manufacturing tubes, bars and strips of a non-ferrous metal.	14-07-90	1/00, 23/00	129 J,B,G Gr, XXXV,	, I·C
	B 21 D	: Working or processing Punching.	of sheet metal or metal tubes, rods or profiles	without esser	tially r o n	noving mat	erial;
165932	16-11-82	MARCEL MATIERE.	Hollow open-ended structure such as a conduit or duct for conveying fluids, Housing cables or use as a thoroughfare for podestrian or vehicular traffic.	10-02-90	51/0	0 93,136-	D F.
167474	24-06-87	WESTINGHOUSE ELECTRIC CORPORATION.	An electrical apparatus.	03-11-90	53/04	98-G	FC

1	2	3	4	5	6	7	. 8
	B 21 F	: Working or processing	of wire.				
55153	31 31-37		An innitius to form a product such as cable by alternate reverse twisting method.	24-03-90	(1 1	48A ₂ + A ₄ -LVIII- 3), 72D ₅ -XX; 62-LXIV 7).	FC.
	В 21 ј	: Forging, Hammering,	Pressing, Riveting; Forgo Furnaces.				
(((زر)5-12-88	MADHUSUDAN HIRALAL DESAI	An improved hydraulic drive for forging press.	04-08-90	I.	102A- - B-XXIX (I)	1.
	21 K	: Making forged or pres	sed products, e.g. horsoshoes, rivets, bolts, wi	rools.			
1533.2	16-11-32		Hollow open-oaled structure such as a conduit or duct for conveying fluids, housing cables or use as a thoroughfare for pedestrian or vehicular traffic.	10-02-90	21/00	93,136-D	F.
167682	29-01-87	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	An improved process for the manufacture of a tool for electrochemical machining of materials and the tool so manufactured	08-12-90	5/12	129-G	16,
B	- 122 : CAS	TING, POWDER MET	· · · · · · · · · · · · · · · · ·				-
_		Tind, I on Disk ind.	ALLOKOI,				
		oundry, moulding.	ALLONG 1.				
	22 C : F		Process for making foundry cores and molds.	03-02-90	1/16	136-F	FĊ
В	22 C : F	oundry, moulding. ACME RESIN	Process for making foundry cores and	03-02-90 28-07-90	1/16 9/00	136-F 33D&E	FC
B . 55877 166877	22 C : Fo	oundry, moulding. ACME RESIN CORPORATION. KABUSHIKI KAISHA KOMAT- SU SEISAKUSHO.	Process for making foundry cores and molds. Mould lubricant exhausting apparatus for	28-07-90	•		
B . 55877 166877	22 C : For 23-08-85	oundry, moulding. ACME RESIN CORPORATION. KABUSHIKI KAISHA KOMAT- SU SEISAKUSHO.	Process for making foundry cores and molds. Mould lubricant exhausting apparatus for knocking out mechanism.	28-07-90	9/00		
B 35877 166877 B	22 C : For 23-08-85	oundry, moulding. ACME RESIN CORPORATION. KABUSHIKI KAISHA KOMAT- SU SEISAKUSHO. 1sting of matals; Casting PONT-A-MOUSSON S.A.	Process for making foundry cores and molds. Mould lubricant exhausting apparatus for knocking out mechanism. g of other substances by the same processes or of the installation for continuous vertical	28-07-90	9/00	33D&E 	FC
B 166877 B 165785	22 C : Fe 23-08-85 30-03-88 	oundry, moulding. ACME RESIN CORPORATION. KABUSHIKI KAISHA KOMAT- SU SEISAKUSHO. 1sting of metals; Casting P D.N F-A-MDUSSON S.A. INSTITUTE PO METALOZNANIE I TECHNOLOGIA NA	Process for making foundry cores and molds. Mould lubricant exhausting apparatus for knocking out mechanism. g of other substances by the same processes or of An installation for continuous vertical ascending casting of iron pipes. Method and apparatus for casting under	28-07-90 ————————————————————————————————————	9/00 11/14 18/04, 46/00.	33D&E 	FC
B 53877 .66877 .865785 .655812	22 C : Fe 23-08-85 30-03-88 22 D : C 15-11-85 23-09-85	oundry, moulding. ACME RESIN CORPORATION. KABUSHIKI KAISHA KOMAT- SU SEISAKUSHO. 1sting of metals; Casting PONT-A-MOUSSON S.A. INSTITUTE PO METALOZNANIE I TECHNOLOGIA NA METALITE. PONT-A-MUSSON	Process for making foundry cores and molds. Mould lubricant exhausting apparatus for knocking out mechanism. g of other substances by the same processes or of An installation for continuous vertical ascending casting of iron pipes. Method and apparatus for casting under pressure. An apparatus for the continuous vertical extraction casting of pipes from spheroidal graphite cast iron.	28-07-90 devices. 13-01-90 20-01-90	9/00 11/14 18/04, 46/00.	33D&E 33-A 33-A	FC FC.
B 66877 B 65785	322 C : Fe 23-08-85 30-03-88 30-03-88 222 D : C 15-11-85 23-09-85	oundry, moulding. ACME RESIN CORPORATION. KABUSHIKI KAISHA KOMAT- SU SEISAKUSHO. 1sting of metals; Casting P DNT-A-MDUSSON S.A. INSTITUTE PO METALOZNANIE I TECHNOLOGIA NA METALITE, PONT-A-MUSSON S.A. IMPERIAL CLEVITE	Process for making foundry cores and molds. Mould lubricant exhausting apparatus for knocking out mechanism. g of other substances by the same processes or of An installation for continuous vertical ascending casting of iron pipes. Method and apparatus for casting under pressure. An apparatus for the continuous vertical extraction casting of pipes from spheroidal graphite cast iron.	28-07-90 devices. 13-01-90 20-01-90	9/00 11/14 18/04, 46/00. 13/02	33D&E 33-A 33-A 33-A,	FC FC

1	2	3	4	5	6	7	8
166914	22-08-85	ALLEGNENY LUDLUM STEEL CORPORATION.	Apparatus for continuous casting of molton metal to a continuous strip of crystlaline metal.	04-08-90	11/04	33-A, 129-J	FC.
15724)	31-)3 85	FOSECO INTER- NATIONAL LIMITED.	A feeled sleep for use in the disting of molten metal.	03-09-90	35/04	33-A- Group- XXXIII	FC.
167215	02-04-86		A machine for removing burrs from an edge of a side of a slab which issue from a continuous casting plant.	22-09-90	11/128	33-D; Group- XXXIII	FC.
167368	30-01-85	GEORG FISCHER AKTIENGESE- LLSCHAFT.	A method for obtaining impurity-free molten iron from molten iron having impurities.	13-10-90	23/00, 27/00, 43/00.	33-D	FC.
167682	29-01-87	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH,	An improved process for the manufacture of a tool for electrochemical machining of materials and the tool so manufactured.	08-12-90	19/06	129 G	IC.
B :	22 F : W	orking metallic powder;	Manufacture of articles from metallic powder	Making meta	allic powd	er.	
155836	01-10-85	EXXON RESEARCH AND ENGINEER- ING COMPANY.	A method for producing dispersion strengthened composite metal powders.	20-01-90	9/00	35-E	FC.
165 87 8	28-08-85	REIMBOLD & STRICK GMBH & CO.	Annul w gap-type ball mill for pulverizing hard mineral substances.	03-02-90	9/04	94 - A	FC.
165885	23-02-87	WASHINGTON UNIVERSITY TECHNOLOGY ASSOCIATES, INC.	A mothod for granulation of a powdery material and apparatus for carrying out said process.	03-02-90	9/08	40-F	FC.
166782	25-01-88	1. GANGADHAR SADASHIV TENDOLKAR. 2. KASHI PRASAD MODI. 3. NARAYAN PANKAN NAIR.	An improved process for the manufacture of a composite of silver tinoxide, containing molybdenum trioxide and/or tungsten trioxide, electrical contact tips.	14-07-90	3/12	48A ₃	1.
16776		J.P.I. TRANS- PORTATION PRODUCTS, INC.	A method of producing a powdered metal aluminium base bearing material.	15-12-90	7/00	9-F	FC.
	B 23 : 1	MACHINE TOOLS; ME	TAL-WORKING NOT OTHERWISE PRO	V ID ED FOR	₹.		
	B 23 B	: Turning; Boring.					
.65832	29-07-85	PROMAT INDUSTRIE	Numerical-control apparatus for machining holes in structural sections.	20-01-90	49/04, 43/00		FC.
66378		HINO JIDOSHA KOGYO KABU- SHIKI KAISHA.	A machine tool for drilling of jobs and work on drilled jobs simultaneously, in parallel manner.	21-04-90	41/00	129C	F.
166567	01-01-86	WIDIA (INDIA) LIMITED.	A drill holder.	09-06- 9 0	51/00	129C	IC.
166975		VINAY MADHUKAR SUKHDANI,	An improved adjustable tool holder for a machine tool.	11-08-90	29/04	129-P- XXXV.	1.
167442	29-04-86	S&L MASKIN AB.	A tap holder intended for fastening in a chuck.	27-10-90	31/10 G :	129-K r-XXXV,	FC.

1	2	3	4	5	6	7	8
		I	3 23 C : MILLING				~
166731	23-01-86	KHOSLA ENGINEERS,	Strip grinding machine for grinding the edges of a metal strip in the manufacture of safety razor blades.	14-07-90	3/00	51D; 129FG	IC.
В	23 D		ING; SHEARING, BROACHING; SAW WORKING METAL BY REMOVING MATE				
165791	05-11-85	DR. HANS WIEDERKEHR,	Milling head and a milling machine with said milling head.	13-01-90	37/00	95-H, I; 129-F, H.G.	F
165792	05-11-85	DR. HANS WIEDERKEHR.	Grinding head and a grinding machine with said grinding head.	13-01-90	37/00	95-H, I; 129-F, H,G.	F
В	1 23 H	ON A WORK-PIECE	AL BY THE ACTION OF A HIGH CONCEN USING AN ELECTRODE WHICH TAKE NED WITH OTHER FORMS OF WORKING	ES THE PL	ACE OF	TRIC CUR A TOOL;	RENT
167286	17-08-87	INDIAN INSTITUT OF TECHNOLOGY.	A method of and a device for manufac- turing thin perforated sheets of hard and/ or brittle metallic members.	29-09-90	9/14	129-C, Group- XXXV.	IC
В	23 K	: SOLDERING; WELI BY APPLYING HEA	DING; CLADDING OR PLATTING BY SOI T LOCALLY, e.g. FLAME CUTTING, WOR	LDERING (KING BY I	OR WELI LASER BI	DING; CU	ITINC
166797	08:09:88	DIGAMBAR MADHAV CHAUDHARY.	Improved thermit process of welding rail sections.	21-07-90	23/00	129-Q	1
166815	20-01-86	HOT-HED INC.	A method of manufacturing a preheater for preheating pipes during welding and preheater thereof.	21-07-90	3	12-D & 129-Q KXXIII (2) XXXV.	FC &
167133	01-03-88	SANDVIK ASIA LTD.	Method of manufacturing a fused hard facing rod/electrode for hard facing applications.	01-09-90	35/22	129Q- XXXV.	IC
167239	_03-04-86 ×	& THOMSON WELD- ING & INSPECTION LIMITED.	Apparatus and method for friction welding.	22-09-90	20/12	129-Q- Group- XXXV,	FC
	03-04-86	THOMSON WELD- ING & INSPECTION	Friction welding apparatus.	22-09-90		129-Q- Group-	FC
167240		LIMITED.			,	, XXXV.	
	3 23 P	LIMITED.	OF METAL; COMBINED OPERATIONS; U	JNIVERSAI	·		

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	FILLE TATELLE				

	2	3	4	5	6	7	8
167078	20-05-87	DNEPROPET- ROVSKY METALLURGI- CHESKY INSTITUT IMENI L. I. BREZHNEVA.	Method and apparatus for manufacture of electrically welled straight-so, in pipe free from inside flash.	25-08-90	23/00	149-10	FC
		P. TSENTRALNY INSTITUT POVY- SHENIA KVALIFI- KATSIIRUKOVO- DYASCHIKII RABOTANIKOV I SPE TSLALISTOV CHERNOI METALLURGII					
67101	16-06-87	FRIED KRUPP GESELISCHAFT MIT BESCHRANKTER HAFTUNG.	Cutting tool.	01-09-90	15/28	129-G_	FC.
67213	21-03-86	RALPH MULLENBERG.	Conical stressing device for connecting a hub to a shaft.	22-09-90		76-F, & 129-G Groups- LXIV(4) & XXXV.	F.
67427	20-05-88	VIJAY AMBUBHAT SHETH	A method of manufacturing a tool bit for drilling holes having square and higher	27-10-90	15/32	129 CGR XXXV.	I
			polygonl cross-sections.				
	3 23 Q	COPYING OR CON	NENTS, OR ACCESSORIES FOR MACHIN TROLLING, MACHINE TOOLS IN GE OF PARTICULARS DETAILS OR COMPO	NERAL, CH ONENTS: CO	IARACTI OMBINA	NGEMEN ERISED B	Y THE
		COPYING OR CON	NENTS, OR ACCESSORIES FOR MACHIN	NERAL, CH ONENTS: CO	IARACTI OMBINA ARTICUI	NGEMEN ERISED B	Y THE
166915		COPYING OR CON CONSTRUCTION CONSTRUCTION CONTRUCTION CONTRUCTION OF MET GILDEMEISTER DEVIEG SYSTEM WERKZEUGE GmbH.	NENTS, OR ACCESSORIES FOR MACHIN TROLLING, MACHINE TOOLS IN GEI OF PARTICULARS DETAILS OR COMPO AL-WORKING MACHINES, NOT DIRECT	NERAL, CH ONENTS: CO FED TO A PA	IARACTI OMBINA ARTICUI 3/00	NGEMEN ERISED B TIONS OF LAR RESU	Y THE R ASSO- LT-
166915 166366	02-09-85	COPYING OR CON CONSTRUCTION CUATIONS OF MET GILDEMEISTER DEVIEG SYSTEM WERKZEUGE GmbH. DETROTT EDGE	NENTS, OR ACCESSORIES FOR MACHIN TROLLING, MACHINE TOOLS IN GEIOF PARTICULARS DETAILS OR COMPORTURE MACHINES, NOT DIRECT Tool and workplece holding arrangement for material removing machining.	NERAL, CH DNENTS; CC FED TO A PA 24-02-90	IARACTI OMBINA ARTICUI 3/00 1/00 3/06	ANGEMEN ERISED B TIONS OF LAR RESU D 129-G	Y THE R ASSO- LT- FC.
166915 166366 166766	02-09-85	COPYING OR CON CONSTRUCTION CIATIONS OF MET GILDEMEISTER DEVIEG SYSTEM WERKZEUGE GmbH. DETROTT EDGE TOOL COMPANY SATISH RAJARAM GAMBHIR.	NENTS, OR ACCESSORIES FOR MACHIN TROLLING, MACHINE TOOLS IN GEIOF PARTICULARS DETAILS OR COMPORAL-WORKING MACHINES, NOT DIRECT Tool and workpiece holding arrangement for material removing machining. Machine slide bearing assembly.	NERAL, CH DNENTS; CO TED TO A PA 24-02-90 21-04-90	IARACTI OMBINA ARTICUI 3/00 1/00 3/06	INGEMEN ERISED B TIONS OF LAR RESU D 129-G 129-G	Y THE R ASSO- LT- FC. FC.
166915 166366 166766 166975	02-09-85 27-12-85 25-08-87	COPYING OR CON CONSTRUCTION CIATIONS OF MET GILDEMEISTER DEVIEG SYSTEM WERKZEUGE GmbH. DETROTT EDGE TOOL COMPANY SATISH RAJARAM GAMBHIR. VINAY MADHUKAN	NENTS, OR ACCESSORIES FOR MACHIN TROLLING, MACHINE TOOLS IN GEIOF PARTICULARS DETAILS OR COMPONION OF PARTICULARS OR MACHINE TOOLS.	NERAL, CH DNENTS; CO FED TO A PA 24-02-90 21-04-90 14-07-90	IARACTI OMBINA ARTICUI 3/00 1/00 3/06	INGEMEN ERISED B TIONS OF LAR RESU 129-G 129-G 95-C- XLIII(2) 129-P-	Y THE ASSO- LT. FC. FC.
166915 166366 166766 166975	02-09-85 27-12-85 25-08-87 15-10-87	COPYING OR CON CONSTRUCTION CIATIONS OF MET GILDEMEISTER DEVIEG SYSTEM WERKZEUGE GmbH. DETROTT EDGE TOOL COMPANY SATISH RAJARAM GAMBHIR. VINAY MADHUKAN SUKHDANI : GRINDING, POLIS	NENTS, OR ACCESSORIES FOR MACHIN TROLLING, MACHINE TOOLS IN GETOF PARTICULARS DETAILS OR COMPORAL-WORKING MACHINES, NOT DIRECT Tool and workpiece holding arrangement for material removing machining. Machine slide bearing assembly. Improved work-piece or job side clamping device. An improved adjustable tool holder for a machine tool. SHING. processes for grinding or polishing, Dressing or	NERAL, CH DNENTS; CO TED TO A PA 24-02-90 21-04-90 14-07-90 11-08-90	1/00 3/06 3/00	INGEMEN ERISED B TIONS OF LAR RESU 129-G 129-G 95-C- XLIII(2) 129-P- XXXV	Y THE ASSOLT. FC. I.
166915 166366 166975	02-09-85 27-12-85 25-08-87 15-10-87 3 24 3 24 B	COPYING OR CON CONSTRUCTION CIATIONS OF MET GILDEMEISTER DEVIEG SYSTEM WERKZEUGE GmbH. DETROTT EDGE TOOL COMPANY SATISH RAJARAM GAMBHIR. VINAY MADHUKAN SUKHDANI : GRINDING, POLIS : Machines, devices, or of grinding, polishing	NENTS, OR ACCESSORIES FOR MACHIN TROLLING, MACHINE TOOLS IN GETOF PARTICULARS DETAILS OR COMPORAL-WORKING MACHINES, NOT DIRECT Tool and workpiece holding arrangement for material removing machining. Machine slide bearing assembly. Improved work-piece or job side clamping device. An improved adjustable tool holder for a machine tool. SHING. processes for grinding or polishing, Dressing or	NERAL, CHONENTS; COPED TO A PA 24-02-90 21-04-90 11-08-90	IARACTIOMBINA ARTICUI 3/00 1/00 3/06 3/00 g of abrad; 53/00	INGEMEN ERISED B TIONS OF LAR RESU 129-G 129-G 95-C- XLIII(2) 129-P- XXXV	Y THE ASSOLT. FC. I.
166915 166366 166975 1 1	02-09-85 27-12-85 25-08-87 15-10-87 3 24 3 24 B	COPYING OR CON CONSTRUCTION CIATIONS OF MET GILDEMEISTER DEVIEG SYSTEM WERKZEUGE GmbH. DETROTT EDGE TOOL COMPANY SATISH RAJARAM GAMBHIR. VINAY MADHUKAN SUKHDANI : GRINDING, POLIS : Machines, devices, or of grinding, polishing INDIAN INSTITUTE	NENTS, OR ACCESSORIES FOR MACHIN TROLLING, MACHINE TOOLS IN GEIOF PARTICULARS DETAILS OR COMPONENT OF AL-WORKING MACHINES, NOT DIRECT Tool and workpiece holding arrangement for material removing machining. Machine slide bearing assembly. Improved work-piece or job side clamping device. An improved adjustable tool holder for a machine tool. SHING. processes for grinding or polishing, Dressing of a lapping agents. A iterating attractment for a grinding wheel	NERAL, CHONENTS; COPED TO A PA 24-02-90 21-04-90 11-08-90	1/00 3/06 3/00 3/06 3/00 3/00 53/12,	INGEMEN ERISED B TIONS OF LAR RESU 129-G 129-G 95-C- XLIII(2) 129-P- XXXV	Y THE ASSOLT. FC. I. Js, Feedin
166915 166366 166766 166975	02-09-85 27-12-85 25-08-87 15-10-87 3 24 3 24 B	COPYING OR CON CONSTRUCTION CIATIONS OF MET GILDEMEISTER DEVIEG SYSTEM WERKZEUGE GmbH. DETROTT EDGE TOOL COMPANY SATISH RAJARAM GAMBHIR. VINAY MADHUKAN SUKHDANI : GRINDING, POLIS : Machines, devices, or of grinding, polishing INDIAN INSTITUTE OF TECHNOLOGY. COMBUSTION ENGINEERING,	NENTS, OR ACCESSORIES FOR MACHIN TROLLING, MACHINE TOOLS IN GEIOF PARTICULARS DETAILS OR COMPOUNDED AL-WORKING MACHINES, NOT DIRECT Tool and workpiece holding arrangement for material removing machining. Machine slide bearing assembly. Improved work-piece or job side clamping device. An improved adjustable tool holder for a machine tool. SHING. processes for grinding or polishing, Dressing of a surface grinder. A transity attractor of for a grinding whosle of a surface grinder. Articles embodying a wear resistant	NERAL, CHONENTS; COPED TO A PA 24-02-90 21-04-90 11-08-90 11-08-90 03-02-90	1/00 3/06 3/00 3/06 3/00 53/00 53/12 15/00	INGEMEN ERISED B TIONS OF LAR RESU 129-G 129-G 95-C- XLIII(2) 129-P- XXXV	Y THE ASSOLT. FC. I. J. S, Feedin

B 26 D : Cutting, Details common to machines for severing, e.g. by cutting, perforating, punching, stamping-out.

3 20-10-86 VOEST-ALPINE An apparatus for controlling the move-

166323 20-10-86 VOEST-ALPINE AKTIENGESE-

LISCHAFT.

An appearatus for controlling the movement of an universally swivelliable cutting arm of a partial cut cutting

machine.

14-04-90 5/04 5/06. FC.

1	2	3	4	5	6	7	8
166748	04-02-88	TRADE & INDUSTRY PRIVATE LIMITED.	Improved method of processing tea leaves and tea processor therefor.	14-07-90	5/00, 7/00.	185A+ D1+18	IC. SC
67728	11-11-87	MCPHERSON'S LIMITED.	Retractable blade knife.	15-12-90	1/00	51- B	FC.
Б	27	: WORKING OR PRI MACHINES IN GEN	SERVING WOOD OR SIMILAR MATER ERAL.	IAL; NAILI	NG OR S	TAPLING	
H	27 F	: Dovetailed work; Ten	ons, Slotting machines, Nailing or stapling ma	achines.			
66485	04-12-85	SENCO PRODUCTS INC.	Modular pnoumatic tool for driving fasteners such as staples and nails.	19-05-90		76F, 138D	FC.
E	3 28	: WORKING CEMEN	T, CLAY, OR STONE			· · · · · · · · · · · · · · · · · · ·	
Ţ	3 28 B	: Shaping clay or other	ceramic compositions, slag or mixtures contain	ning comentit	ious mater	ial, c.g.plas	der.
166201	06-07-87	GREAVES FOSECO LIMITED.	Particulate composition and a method for the protection of graphite electrodes of electric arc furnace.	31-03-90	11/6	97BLIX(2 +144B XLII(3)	i) IC.
16 647 0	27-03-87	DIDIER-WERKE AG.	A refractory moulded body having at least one flow passage for a metallic melt.	19-05-90	7/00	33-F	FC
166509	26-12-85	NYUGATMAGYA- RORSZAGI FAG- AZDASAGI KOMBINAT.	A process for making cement bodies by accelerated hardening of cement in a composition containing water, cement and fibrous material.	19-05-90	3/02	35-G	FC.
66572	30-01-86	NIPPON KOGEN CONCRETE CO. LTD.	Method and apparatus for manufacturing clongate concrete members.	09-06-90	7/02	35-C	FC.
55742	20-03-86	YUAN-HO LEE.	Moulding device for modular concrete unit.	14-07-90	7/22, 21/42, 21/76 & 23/00.	, 136 E+	FF.
66932	13-12-85		Method and apparatus for the manufac- ture of a pipe from spheroidal graphite cast-iron.	11-08-90	21/02	33-A-Gro -XXXIII(3	
67092	10-03-86	1. VELAYIE AYDROSE MOHAMED. 2. BLAYIE MOHAMED HYDER SIRAJ.	Manufacture of precast articles using cement concrete cement mortar or the like material with or without reinforcement by vertical vibrosinking process and device for the same.	01-09-90		27C & L-Group- XXVI(I),	J,
67094	10-03-86	VELAYIE AYDROSE MOHAMED.	Improved mould system for casting articles using cement mortar, cement concrete or the like material.	01-09-90	•	136-F- Group- XIII	I.
67193	19-03-87	INDIAN INSTITUTE OF TECHNOLOGY.	A device for preparing pressed soil blocks for use in building and construction.	15-09-90	5/00	25-A	IC.
67 7 01	27-05-86	ALCATEL N.V.	A method of producing an elongate porous body.	08-12-90	Ġ	90F&J- iroup- XXVI	FC.

	2	3	4	5	6	7	8
В	28 C	: Proparing clay; Pro	ducing mixtures containing clay or comentitio	us material o	g, plaster	`.	
57522	15-12-86	AMERICAN COLLOID COMPANY.	A mothed of producing acid treated clay with increased effectiveness in filtering contaminants of a liquid.	24-11-90	1/06, 1/22	40 F	FC.
В	29	: WORKING OF PLAS	STICS; WORKING OF SUBSTANCES IN A	PLASTIC ST	ATE IN	GENERAL	/ı
В	29 B		atment of the material to be shaped; Making go of waste material containing plastics.	ranul e s or pre	forms; R	decovery of	f plast
65855	25-02-86	THE FIRE STONE TIRE & RUBBER COMPANY.	A process for producing a densified pellet of guayule plant material.	27-01-90	9/00	104-Ј	FC
66633	25-08-86	EMS-INVENTA AG.	Apparatus for cooling and conditioning melt-spun material,	30-06-90	13/00, 13/04	50-D, 172-D ₄	FC
67028	17-06-86	SOLVAY & CIE.	Apparatus for the rapid determination of rheological properties of thermoplastics.	18-08-90	5/00	40-F	FC
67704	04-07-86	HEPWORTH BUILDING PRO- DUCTS LIMITED.	A method and apparatus for making a pipe coupling and articles made thereof.	08-12-90	11/08	136-B- Group- XIII.	FC
67716	13-05-86	CMB PACKAGING (U.K.) LIMITED.	A houting apparatus for shoot material.	08-12-90	13/02	85-G- Group- XXXI	FC
В	29 C	: Shaping or joining of p products.	lastics, Shaping of substances in a plastic state,	in general; A	.ftor-troat	ment of the	e shar
65842	26-05-86	E.I. DU PONT DE NEMOURS AND	A laminar molded, hollow article and process for making same.	27-01-90	47/00	136-E	FC
		COMPANY.	From 101 Maring James				
65902	09-07-86		Mothod and apparatus for forming extruded products.	10-02-90	35/00, 39/00,	136-C,E	FC
.65902 66335		COMPANY.	Mothod and apparatus for forming ex-	10-02-90 14-04-90		•	FC
	28-11-85	COMPANY. COLORTECH INC. PALANISAMY	Method and apparatus for forming extruded products. A mountable cooling die for use with a heating die of a plastic extrusion system and a process for the manufacture of a plastic		39/00. 33/02	•	
66335	28-11-85 31-01-86	COMPANY. COLORTECH INC. PALANISAMY GOVINDASAMY. GFO GESELLS- CHAFT FUR OBE- RFLACHEN-	Method and apparatus for forming extruded products. A mountable cooling die for use with a heating die of a plastic extrusion system and a process for the manufacture of a plastic article thereby. An improved method for coating transparent surfaces made of glass or synthetic material for producing coated sur-	14-04-90	39/00. 33/02 13/00,	136-C 144-B	1.
66335 66367	28-11-85 31-01-86 01-08-86	COMPANY. COLORTECH INC. PALANISAMY GOVINDASAMY. GFO GESELLS- CHAFT FUR OBE- RFLACHEN- TECHNIK M.B.H. E.I. DU PONT DEMOURS AND	Mothod and apparatus for forming extruded products. A mountable cooling die for use with a heating die of a plastic extrusion system and a process for the manufacture of a plastic article thereby. An improved method for coating transparent surfaces made of glass or synthetic material for producing coated surfaces having demirroring layers thereon. Process for melt fabricating tough polyethylene terephthalate articles with	14-04-90 21-04-90	39/00, 33/02 13/00, 27/00.	136-C 144-B	J.
66335 66367 66380	28-11-85 31-01-86 01-08-86 15-10-85	COMPANY. COLORTECH INC. PALANISAMY GOVINDASAMY. GFO GESELLS- CHAFT FUR OBE- RFLACHEN- TECHNIK M.B.H. E.I. DU PONT DEMOURS AND COMPANY. HONDA GIKEN KOGYO KABU-	Method and apparatus for forming extruded products. A mountable cooling die for use with a heating die of a plastic extrusion system and a process for the manufacture of a plastic article thereby. An improved method for coating transparent surfaces made of glass or synthetic material for producing coated surfaces having demirroring layers thereon. Process for melt fabricating tough polyethylene terephthalate articles with low gas and organic liquid permeability. Process and apparatus for manufacturing	14-04-90 21-04-90 21-04-90	39/00. 33/02 13/00, 27/00.	136-C 144-B 136-E	J. FC
66335 66367 66380 66393	28-11-85 31-01-86 01-08-86 15-10-85	COMPANY. COLORTECH INC. PALANISAMY GOVINDASAMY. GFO GESELLS- CHAFT FUR OBE- RFLACHEN- TECHNIK M.B.H. E.I. DU PONT DEMOURS AND COMPANY. HONDA GIKEN KOGYO KABU- SHIKI KAISHA. HONDA GIKEN KOGYO KABU-	Mothod and apparatus for forming extruded products. A mountable cooling die for use with a heating die of a plastic extrusion system and a process for the manufacture of a plastic article thereby. An improved method for coating transparent surfaces made of glass or synthetic material for producing coated surfaces having demirroring layers thereon. Process for melt fabricating tough polyethylene terophthalate articles with low gas and organic liquid permeability. Process and apparatus for manufacturing embossed articles of synthetic resin.	14-04-90 21-04-90 21-04-90 28-04-90	39/00. 33/02 13/00, 27/00. 39/00	136-C 144-B 136-E 136-L	J. FC

1	2	3	4	5 6		7	8
166680	28-01-86	STAMICARBON B.V. (LICENSING SUBSIDIARY OF DSM)	Process for preparing stretchable gel articles of linear highmolecular weight polyolefins.	30-06-90	71/00	136-E Group- XIII	FC.
166951	26-12-85	HONDA GIKEN KOGYO KABU- SHIKI KAISHA.	A method of manufacturing an air permeable electrocast shell.	11-08-90	•	136E &F Group -X II	F C . I
167091	06-03-86	KABUSHIKI KAISHA KOBE SEIKO SHO.	Tire vulcanizer.	01-09-90	51/24	136М- ХШ	FC.
167121	17-02-86	MINNESOTA MINING AND MANUFACTURING COMPANY.	Cable branch-off scaling member.	01-09-90	65/26	48-A- Group- LVIII(3)	FC.
167267	04-05-87	GALIC/MAUS VENTURES,	Method and apparatus for molding articles.	29-09-90	45/00	136-E,F	FÇ.
167280	15-05-86	METAL BOX PLC.	Method and apparatus for spin-welding together two opposed cylindrical surfaces of thermo plastics components.	29-09-90	65/06	136-E- XIJJ.	FC.
167319	15-05-86	METAL BOX PLC.	Spin-wolding apparatus.	06-10-90	65/06	136-E- Group- XIM	FC.
167320	15-05-86	METAL BOX PLC.	Spin-welding apparatus.	06-10-90		136-E- Group-Xll	FC. I
167421	31-12-87	OLE BENDT RASMUSSEN.	Improved process and apparatus for stretching of a continuous polymeric sheet material.	27-10-90	55/18	136-K- XIII,	F,
167716	13-06-86	CMB PACKAGING (U.K.) LIMITED.	A heating apparatus for sheet material.	08-12-90	35/00	85-G- Group- XXXI,	FC.
1677 60	25-02-87	KOLIMORGEN TECHNOLOGIES CORPORATION.	Process for the manufacture of plastic articles having a metallic pattern on their surfaces.	15-12-90	63/00	152-E- XII(2)	FC.
167788	14-10-87	1. DU PONT CANADA INC. 2. UNITED COR- PORATION CON- SULTANTS LTD.	Method and apparatus for installing a pipe liner of synthetic polymer in a pipe section.	22-12-90	63/46	136-E,K	FC.
167795	09-07-86	OWNES-ILLINOIS PLASTIC PRODUCTS INC.	A bottle that is adapted to be filled with a liquid product that is at an elevated temperature.	22-12-90	49/0-	4 179-B- Group- XL(6)	FC
167869	10-11-87	FRANZ XAVER STARLINGER- HUEMER	A process for the manufacture of tubular article made from plastics for the fabrication of sacks.	29-12-90	47/00	136-E	F.
В	29 D	: Producing particular	articles from plastics or from substances in a p	plastic state.	<u> </u>		
165767	18-12-85	BP CHEMICALS LIMITED.	A composition based on ethylene polymer suitable for the manufacture of stretchable cling film and a process for preparing the same.	06-01-90	7/00	53-E	FC,
165922	06-11-87	PRUTEC LIMITED.	An improved of forming a polycrystalline thin film on a transparent substrate for the production, for example, of cadmium sulphide solar cells.	10-02-90	7/00	14-C	FC.

i	2	3	4	5	6	7	8
- c61òo1	24-04-86	BANDAG LICENS- ING CORPORATION	Differential pressure control valve.	24-03-90	3/00	195-E,F	FC.
165193	14-01-88	J.F. ADOLFF AG.	Method for manufacturing a web of plastic turf for sports grounds.	24-03-90	7/00	155 -B, E	FC.
1 >> 236	25-10-85	CONTINENTAL GUMMI-WERKE AKTIENGESELLS- CHAFT	A method of producing conveyor belts from rubber or rubber-like plastics material.	31-03-90	9/00	136- D	FC.
166271	10-09-85	VALHALLA IN- VESTMENTS LIMITED.	A solid flat-proof tyre adapted to be fitted to a wheel rim.	07-04-90	30/02	136-M	FC.
166320	21-11-86	COSMO FILMS LIMITED.	Process for the proparation of improved polypropylene film and the polypropylene film so prepared.	07-04-90	7/01	34-A	IC,
166380	01-08-86	E.I. DU PONT DEMOURS AND COMPANY.	Process for melt fabricating tough polyethylene terephthalate articles with low gas and organic liquid permeability.	21-04-90	1/00	136-E	FC.
166419	18-12-85	T.R. DEVELOP- MENTS LIMITED	A process for the production of hydrogel forming polymers,	05-05-90	11/00	32E-IX (1)1.	FC,
166566	24-12-85	HOECHST AKTIEN- GESELISCHAFT.	Process for manufacturing an abrasion resistant polyoster film.	09-06-90	7/01	136 -K	FC.
66711	20-10-87	CINCINNATI MILACRON INC.	A tool for manufacturing pipes with varying wall thicknesses.	14-07-90	23/00	136-E	FC.
165728	22-09-86	BANDAG LICENS- ING CORPORATION	Boad soal ring unit	14-07-90	30/34, 30/54	205B,F, -G, (LVI	FC.
167318	01-05-86	ENICHEM SINTESI S.P.A.	A PROCESS for preparing a diallyl- carbonate and diethylene-glycol-based optical-glass substitute.	06-10-90	11/00	171- Group- XXXVIII	FC.
167412	15-04-87	SWAPAN MANILAL SHAH.	A machine for contour milling grinding and polishing of marbles, granite slabs blocks and the like.	20-10-90	1/30	178 XXV (3)	1,
167532	28-05-86	THE DOW CHEMICAL COM- PANY.	A method for the manufacturing of polymer composite films.	10-11-90	7/01	34-A- Group-X	FC.
167649	01-01-88	ETHICON INC.	Bone screw.	01-12-90	1/00	19-E	FC.
167765	01-06-87	EXXON CHEMICAL PATENTS INC.	Scalable laminate for scaling and packaging.	15-12-90	7/01	76E- LXIV- (4).	FC.
<u></u> В	30	: PRESSES.	······································				
В	30 B	: Presses in general					
15531)2:9):86	VITAMINS, INC.	Mothod for extracting soluble liquids from solids,	21-07-90	9/02	132-C	FC.
167232	14-03-86	AB AKERLUND & RAUSING.	A method and a device for making a deformable resilient elongated hollow profile having a surface layer, a predetermined original shape and having a wall portion which, in the cross section of original shape is curved.	22-09-90	3/00	Group- XXXV.	O FC.

1	2	3	4	5	6 7	8
В	32	: LAYERED PRODUC	cis.			
В	32 B	: Layorod product, i.e. p	roducts built-up of strata of flat or non-flat, o.g	, cellular or l	on c ycomb form.	
165804	05-12-85	COLGATE-PALMO- LIVE COMPANY.	Improved lamin to of layers of ethylene vinylalcohol co-polymer, metal foil, paper and collap sible paste dispensing container made therefrom.	13-01-90	27/ 30 155-F2	FC.
l65840	05-12-85	COLGATE-PALMO- LIVE COMPANY.	Improved laminate of layers of polypropy- lenemetal foil and paper and a collapsible paste dispensing container made of said laminate.	20-01-90	27/32 155-F	FC.
166017	06-99-85	ELTECH SYSTEMS CORPORATION.	An organic plus inorganic fibre composite and a method of making it.	24-02-90	27/06, 155-B 27/18, 27/20	FC.
166236	25-10-85	CONTINENTAL GUMMI-WERKE AKTIENGESELLS CHAFT.	A method of producing conveyor belts from rubber or rubber-like plastics material.	31-03-90	25/00 136-D	FC.
166293	16-10-85	SEIBU POLYMER KASEI KABUSHIKI KAISHA.	High-brightness pavement marking sheet material.	07-04-90	5/16, 155-F2 25/02.	FC.
166528	28-01-86	FLONIC.	Method of making synthetic membraness for a gas meter.	26-05-90	31/14 136-E	FC,
166646	18-11-85	OWENS ILLINOIS PLASTICS PRO- DUCT INC.	Coextruded multilayer sheet and touch sleeve label made therefrom.	30-06-90	27/00 155 - F2	FC.
166647	18-11-85	OWEN3-ILLINOIS PLASTICS PRO- DUCT INC.	Coextruded multilayer sheet adapted for use as a solvent seal sleeve label on containers.	30-06-90	27/00 155-F2	FC.
166648	18-11-85	OWENS-ILLINOIS PLASTICS PRO- DUCTS INC.	Coextruded multilayer sheet and sleeve label for bottles.	30-06-90	27/00 155-F2	FC.
167054	26-03-83	OLE-BENDT RASMUSSEN.	A method of preparing a high strength sheet material.	25-08-90	27/32 136-E Group- XIII	F.
167656	03-09-87	LANXIDE TECH- NOLOGY COMPANY.	A method of producing a solf-suporting ceramic structure.	01-12-90	18/00 25-E, 35- 193.	·E FC.
167765	01-06-87	EXXON CHEMICAL PATENTS INC.	Scalable laminate for scaling and packaging.	15-12-90	27/32 76-E- LXIV(4	FC,).
 В	41	: PRINTING: LINING	MACHINES: TYPEWRITERS: STAMPS			 -
В	41 F	: Printing machines or	presses.			
165)52	29-11-85	INTERNATIONAL BUSINESS MACHINES CORPORATION.	A flexible leader for guiding a ribbon in a printing apparatus.	03-03-90	13/02 154-D	FC.
166090	26-12-86	VEB KOMBINAT POLYGRAPH "WERNER LAMBERZ".	An improved damping apparatus in particular for a rotary offset printing machine.	10-03-90	7/28 154- D	FC.

1	2	3	4	5	6	7	8
166137	28-10-85	DRG(U,K.) LIMITED,	Printing roll with detachable sleeve.	17-03-90	3/36	154-D	FC.
166256	26-06-86	MASCHINEN- FABRIK WIFAG	Apparatus for the accurate metering and uniform distribution of a liquid film on a rotating cylinder in a printing machine.	31-03-90	5/C0	154 D	IC.
166672	03-12-85	J.G. MAILANDER. GmbH & CO.	A rotary printer for planographic and indirect letter press printing.	30-06-90	5/22	154-A	1 € ,
167025	11-06-86	DELA RUE GIORI S.A	Method for manufacture of a plate cylinder and device for such manufacture.	18-08-90	9/0	6 - 154/JD	10,
167428	27-05-88	1. HEMANT MADHUKAR RANDIVE 2. NITIN BABU BHAI MEHTA.	Multiplaten printing machine.	27-10-90	1/11	2 154-F XXXV	I I
B 41	13.	: Typewriters, Selecti Correction of typogr	ve printing mechanisms, i.e. mechanisms prin raphical errors.	ting otherwis	st than fro	m a form	ċ,
166230	30-05-86	PRIMAGES INC.	An irk ritton cartilege for a printer.	31-(3.5(5,(() 27/00, 27/12	;(·1	IC,
167253	29-05-86	INTERNATIONAL BUSINESS MACHINES CORPORATION.	A printer for printing data on a print medium.	29-09-90	35/22	19]- Group- XXXVII	FC.
167333	24-04-86	INTERNATIONAL BUSINESS MACHINES CORPORATION.	A correction tape catridge for a type-writer.	C6-1C-9C	29/2€	191- Group- —XXXV	I C'
В	41 L		for manifolding, duplicating, or printing for o	ffee or other	commetei	al furfos	
167665	03-10-86	KALAMAZOO PLC.	Cheque book assembly.	01-12-90	1/24, 1/26, 1/34	20A & 29B	FC
В	41 M	: Printing, duplicating	, marking or copying processes; Colour print	ing	— —		
166848	25-05-87	BUSINESS FORMS LIMITED.	Pressure sensitive colour transfer sheet and process of making same	28-07-90	5/00	19	IC.
166880	28-11-85	NASHUACOR- PORATION	A coated sheet for use in a pressure-ser sitive record element.	28-67-50	5/16	191	FC.
В	43	: WRITING OR DRA	WING APPLIANCES; BUREAU ACCESSOR	RIES.			
В	43 K. :	Instruments for writing	g: Drawing-pens.				
166155	04-02-87	KOTOBUKI & CO. LTD.	Dual refill-writing utensil.	24-03-90	24/12, : 21/02, X		FC.
В	43 L	Articles for writing or	drawing up, Accessories for writing or drawing.			<u>-</u>	 -
65882 66478	20-01-87 10-07-86	SHRI SAIBAL ROY. COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH.	Facsimile drawing instrument. An improved process for the production of moulded slate with in built frame.	03-02-90 19-05-90	13/00 2 1/02 2		I. IC.
166999		THE RAJA BAHA- DUR MOTILAL POONA MILLS LTD.	An improved stand for use in a drafting machine.	18-08-90	13/02 8	6-E-GR. -LXVI(4)	IC.

1	2	3	4	5	6	7	8
166340	18-12-8:	5 M.A.M. MAS- CHINENFABRIK AUGSBURGNUBNI AKTIEN GESELLS		14-04-90	1/42	95-H	FC.
166759	02-06-86	B.F. GOODRICH COMPANY.	A radial type pnoumatic tyre.	14-07-90	19/00	205 A ,H	FC.
166916	02-04-86	NRM COR- PORATION.	Tire engaging basket for a tire cuting press transfer device.	04-08-90	19/00	205 B	FC.
167180	23-02-84	MICHELIN & CIE (COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN).	A tire and a method of manufacturing the same.	15-09-90	9/00	205-B & G-Group-LVI	FC.
167254	13-06-86	MICHELIN & CIE (COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN).	Device for coding the value of two variable measured in a fire.	29-09-90	,	206-E- Group- LXII.	FC.
167588	25 - 02-87	THE GOODYEAR TIRE & RUBBER COMPANY.	A reinforced composite laminate for use in tires conveyor belts or the like and a tire incorporating the laminate.	17-11-90	9/04	205-G LVI.	FC.
167661	12-06-86	NRM CORPORATION	"Machine for building tires."	03-10-90	5/00	205 -G	FC,
167834	21-07-86	APSLEY METALS LIMITED.	A pneumatic tyre.	29-12-90	15/00, 15/04,	, 205-H	۴C.
В	60 D	: Vehicle connections.			·		
167184	17-03-86	AMSTED INDUSTRIES INCORPORATED.	A railway coupler.	15-09-90	7/02	157- D 4	FC.
В	60 G	: Vehicle suspension a	rrangements.				
66195	15-06-87	THE BOLER COMPANY.	Improved tandem-axle walking bcam suspension.	24-03-90	5/00	160-C	FC.
В	60 H	Arrangements or adap or goods spaces of vel	tations of heating cooling, ventilating, or other	air-(reating d	leviers spe	cially for	passeng
65992		SANDEN CORPORATION.	Improved swash plate compressor incorporating a device for detecting rotational speed.	24-02-90	3/00	134-A, 50-D.	FC
56856		SANDEN CORPORATION.	Scroll type compressor.	28-07-90	3/00	50- D	FC.
В 6	0 Ј :	Windows, windscreens, not in use.	non-fixed roofs, doors, or similar devices for	vehicles, Proje	cetive co	verings for	vehicles
67638]	L.G BALA- A KRISHNAN & BROS LTD.	window frame for a bus.	24-11-90	1/16	58-C Group- XXVI(3)	IC.

1	2	3	4	5 6	5	7	8
В	60 K :	or dashboards for vehic	ing of propulsion units or of transmissions in vel les: Conjoint control of drive units; Arrangmen oly, of propulsion units, in vehicles.				
165966	25-06-82	HARRY FER- GUSON LIMITED.	A rive transmitting member for use in a motor vehicle drive transmission.	17-02-90	17/34	160 -C	FC.
167647	18-06-87		power transfer apparatus and an auto- mobile fitted therewith.	01-12-90	17/28	160-C	FC.
В	60 L		propulsion of electrically-propelled vehicles had brake systems for vehicles, in general.	Magnetic sus	pension or	levitation	o for
166570	26-01-86	AVTOKOMBINAT	Trolley Bus current collector system,	09-06-90	5/00	160-C	ГС.
В	60 N :	Vehicle passenger acce	ommodation not otherwise provided for,				
16607 7	05-09-88	BAJAJ AUTO LIMITED.	Cover for seats of two wheeler motor vehicles and such seats fitted with said cover	10-03-90	1/00	53-A.	IC,
В	60 P	: Vehicles adapted for k	oad transportation or to transport to carry, or to	comprise pa	rtial loads	or objects	
1677 5 0	18-04-85	Leroy GL. HAGENBUCH,	A system for providing information of the weight of a load carried by a truck body which is pivotally mounted on a truck frame.	15-12-90	1/60	116-G Group- XLIX	F.
В	60 Q	: Vehicle lighting or sig	nalling.				
166764	29-12-87	BAJAJ AUTO LIMITED.	Flasher unit for flasher direction indication of motor vehicles.	14-07-90	1/46	160-C	IC.
167522	29-12-87	BAJAJ AUTO LIMITED,	A flasher unit for flasher direction indicator for motor vehicles,	10-11-90	1/46	113-1	IC.
В	60 R	: Vehicles, vehicle fittin	gs, or vehicle parts, not otherwise provided for	r.			
167752	09-07-86	PIAGGIO & C.S.P.A,	Two wheeler vehicle having a device for locking in particular a crash helmet or any article having like dimensions of a crash helmet.	15-12-90	27/00	134A	FC.
В	60 S	: Servicing, cleaning, re	epairing, supporting lifting, or manocuvring of	vehicles, no	t otherwis	e provided	l for.
165866	18-03-86	MITSUBA ELEC- TRIC MANUFAC- TURING Co. LTD.	Wiper driving unit.	03-02-90	1/04, 1/42.	26	FC.
166194	28-05-87	AUTOROBOT FINLAND KY,	Apparatus for rectifying bodies of motor-vehicles,	24-03-90	13/00	160-C	FC
16647 7	1 7- 06-86	CHAMPION SPARK PLUG EUROPE S.A.	Wiper arm,	19-05-90	1/02, 1/04, 1/06, 1/18,	134A	FC.
166588	25-07-86	CHAMPION SPARK PLUG EUROPE S.A.	A device for driving the wiper blades on the wind-screen of a motor vehicle.	09-06-90	1/02	134-A	FC.
166665	05-08-86	CHAMPION SPARK PLUG EUROPE S.A.		30-06-90	1/04	134-A	IC.
		: Vahicle brake contro	systems or parts thereof, Brake control system	ns or parts th	ercof, in	general.	
1659 52	27-01-86	BROCKWELL INTERNATIONAL CORPORATION.	A vehicle brake system.	17-02-90	1/G0, 7/00.	24E,	FC
	10 13 05	CATEDDILLADING	. A brake release mechanism for vehicle	17-03-90	15/52	-	FC

1	2	3	4	5	6	7	8
 153237	23-91-85	LUCAS INDUSTRIES PUBLIC LIMITED/ COMPANY.	Servo assisted master cylinder assemblies.	07-04-90	11/16	150-C	FC.
โก ่5434	∂ ₄ -0\$-86	POCLAIN HYDRAULICS	In a braking device with multiple effects such as an effect of parking and emergency braking via an elastic return member an effect of service braking by presurized fluid control and an effect of release of brake by presurized fluid control	05-05-90	13/00	24-D ₃	FC.
166569	16-01-86	LUCAS INDUSTRIES PUBLIC LIMITED COMPANY.	Pressure cylinder flange attachment.	09-06-90	11/16	160 -C	FC.
166575	20-02-86	LUCAS INDUSTRIES PUBLIC LIMITED. COMPANY.	Brake pressure control valve.	09-06 -9 0	15/36	160-C	FC
166612	08-86-80	KELSEY-HAYES COMPANY.	Control valve for use in a vehicle skid control system.	16-06-90	1/00, 8/00,	160-A 15/00.	FC.
166699	30-06-86	LUCAS INDUSTRIES PUBLIC LIMITED COMPANY.	Wedge type brake actuator for motor vehicles.	30-06-90	1/06	34-A	FC
166871	13-10-87	KELSEY IIAYES *{ COMPANY,	Device for monitoring the pressure in a fluid carrying conduit.	28-07-90	1/00, 8/00,	146-A 10/00	FC
6701 7	26-08-86	BRANDIX FRANCE,	Automatically adjustable and thermally responsive lockable strut for a drum break.	18-08-90	1/06	24-F	FC.
167145	18-03-86	LUCAS INDUSTRIES PUBLIC LIMITED COMPANY.	Hydraulic anti-skid braking system.	08-09-90	J1/J0	24-D ₁ - Group-LV	FC.
167241	20-03-86	LUCAS INDUSTRIES PUBLIC LIMITED COMPANY.	Automatic adjuster for a vehicle brake.	29-09-90		24-E- Group- V.	FC.
167437	2 8- 05-86	I.UCAS INDUSTRIES PUBLIC LIMITED COMPANY.	An electronically controlled braking system for a vehicle.	27-10-90	13/68 Group	_	FC.
67495	24-02-87	ALLIED CORPORATION	Dual circuit brake valve for heavy duty vehicle,	10-11 -9 0	11/06	24-D ₂ -LV	FC.
67658	10-10-88	BIMAN KUMAR PATHAK	A mechanical regenerative braking device for wheeled vehicle or a rotary machine such as electric motor or generator.	01-12-90	17/00,	12 7- T	I.
В	61	: RAILWAYS,					
В	61 F	: Rail vehicle suspension of different width pre	s, e.g. underframes, bogies, arrangements of venting derailing; Wheel guards, Obstruction	wheel axies, F removers or t	tail vehicle he like.	s for usc	on trac
660 2 7	20-11-85	AMSTED INDUS- TRIES INCORPO- RATED,	A railway truck friction shoe pocket for accommodating a friction shoe therein.	03-03-90	5/04	157-D ₅	FC.
6 69 01	06-09-89	BHARAT RASIKLAL . GANGHI	An improved system of rail bogie wheel and complementary rail provided at the rail joints for Preventing jolts.	0-1-08-90		158E4- LII(2) .	I.
67150	02-04-86	DENKI KABUSHIKI	Apparatus for preventing turbulence in wheeled vehicles running on rail road tracks.	08-0 9-9 0	1 G L	58Β ₃ & 74-G- Toups Π(2) & Π(4)	FC.

1	2	3	4	5	6	7	8
В	61 G	: Couplings, Draught or	buffing appliances.				
166018		AMSTED INDUS- TRIES INCOR- PORATED.	An improved striker assembly apparatus for railway cars.	24-0 2 -90	1/00	158- D	FC,
166138	01-01-86	AMSTED INDUSTRIES IN CORPORATED.	A slackless coupler connection for a railway car.	17-03-90	7/12	158-G	FC
166800	19- 10-87	MCCONWAY & TORLEY COR-PORATION.	Improved knuckle for a railway coupler.	21-07-90	3/06 158	C ₁ . & ₂	FC
165893	30-01-86	DOWTY HYDRAU- LIC UNITS LIMITED,	Retarders for reducing the speed of a wagon rolling on a railway track,	0 3- 0 2- 90	7/08	157-E	FC.
[674]1	09-05-88	RAMESH BHOGI- LAL PARIKH NIKHIL RAMESH PARIKH, RAJUL RAMESH PARIKH, SUDHIR RAMESH PARIKH	Protable ultrasonic rail-tester	20-10-90	9/10	89,1 2 6-A	ī,
В	62	; I,AND VEHICLES F	OR TRAVELLING OTHERWISE THAN	ON RAILS.			
В	62 D	: MOTOR VEHICLES	TRAILERS.				
166131	29-10-85	THORVALD. G. GRANRYD,	A retractable drive system for a rubber tired vehicle.	17-03-90	49 /00	160-A	F.
166767	21-09-87	BAJAJ AUTO LTD, GAURI PRAKASH AGARWAL, SATISH BAPU-RAO BHALERAO, SATISH MADHU- KAR GOKHLE.	A two wheeler motor vehicle with box at front for spare wheel.	14-07-90		160-A-]] (3), 134-A- LIIVI	1C.
166778	17-07-86	S.A. CONSTRUC- TIONS FERRO- VIAIRES AT METALLIQUES,	A fast moving vehicle equipped with a self-guiding mechanism.	14-07-90	1/00, 11/20.	134-D	FC.
67245	11-04-86	CATERPILLAR TRACTOR CO.	A method of manufacturing a track joint with a controlled running clearance between opposing thrust surfaces of the track joint.	29-09-90	55/20	118-A- Group- XLV(2).	FC.
В	62 H	: Cycle stands; Support authorised use or thef	is or holders for parking or storing cycles; t of cycles; Locks integral with cycles; Device	Appliances p	reventing to ride cyc	or indicati les.	ng un-
166698	26-03-87	TUBE INVEST- MENTS OF INDIA LIMITED	A centre stand assembly for use with a bycycle.	30-06-90		52-A- Group- LU(5)	IC.
.В	62 J	: Cycle saddles or seats cycle protectors.	; Accessories peculiar to cycles and not other	wise provided	for, e.g. a	rticle carr	iers,
166077	05-09-88	BAJAJ AUTO LIMITED.	Cover for seats of two wheeler motor vehicles and such seats fitted with said cover.	10-03-90	1/18	53-A	IC,

1	2	3	4	5	6	7	8
66244		ATLAS CYCLE INDUSTRIES. ARUN KAPUR	An improved racing cycle.	31-03-90	39/00	53-A	IC, I.
67826		DIETER SCHUR- MANN AND BERNDGUDEREIT.	Dynamo for bicycles.	29-12-90	6/00	63-G	F.
в	52 K		Cycle steering devices; Rider-operated terming; Cycle sidecars, fore-cars or the like.	nal controls s	pecially a	dapted for	cvcles:
65789	25-07-84	KABUSHIKI KAISHA SHOWA SEISAKUSHC.	Front wheel fork for motorcycles,	13-01-90	21/02	53-E	FC.
65997	13-03-86	FRANCIS GEORGE KIRK.	Bicycle frame and bicycle,	24-02-90	3/02, 19/02.	53-E	F,
66182	06-03-86	DONOVAN PIL- KINGTON. ABEL OLWAGEN COETZEE.	A frame for a bicycle.	24-03-90	19/00	53-E	F.
65249	05-09-86	INTERNATIONAL BICYCLE COR- PORATION.	A suspension mechanism particularly suitable for suspensions for vehicles.	31-03-90	25/00	160-D	FC.
166580	25-07-84	KABUSHIKI KAISHA SOWA SEISAKUSHO.	Front wheel fork for motor cycles.	09- 06-9 0	21/02	53-E	FC.
В	62 L	: Brakes specially adap	ted for cycles.			_	•
166247	03-06-86	PIAGGIO & C.S.p.A.	Braking device for two-wheelers,	31-03-90	3/02, 3/04.	24-A	FC.
В	62 M	: Rider propulsion of specially adapted for	wheeled vehicles or sledges, Powered propu	lsion of sledge	es or cycle	s, Transn	nissions
165915	22-11-83	BYUNG D. YIM.	A speed change mechanism for a lever propelled bicycle.	10-02-90	1/00	53-C	F.
166687	22-07-86	PIAGGIO & C.S.P.A.	Belt transmission unit for a vehicle provided with an engine start up device.	30-06-90	9/00	127-I LXV(1), 134A-LII(FC.
В	63	: SHIPS OR OTHER RELATED EQUIPM	WATERNORBE VESSELS: EENT.				
В	63 B	: Ships or other waterb	orne vessels, Equipment for shipping.				
165778	21-08-85	BRITISH : AEROSPACE PUB- LIC LIMITED COMPANY.	A system for open sea transfer of articles between one vessel and another.	06-01 -90	27/12	160-B	FC.
165930	08-10-85	KEY OCEAN SERVICES, INC.	An improved method of assembling a mooring system in a vessel.	10 - 02 -90	21/00	166-A	FC.
165938	17-04-86	THOMAS ROBERT ANDERSON	A novel sail assembly.	10-02-90	7/00, 9/00.	166-A,E.	F.
166922	19-12-8	INSTITUTE	A device for receiving acoustic waves in	04-08-90	22/00	168 -E-	FC.

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i	2	3	4	5	6	7	8
167536	11-06-86	JOHN,M. PALMER JR.	An aquatic vessel assembly.	10-11-90		6A ₂ - GROUP- XLVII(1)	F.
167717	16-06-86	PROTEC_A/S	A device for use in the protection of pipes in a splash zone on a rig construction at sea.	8-12-90)3-GROUF -XLV(1).	FC.
В	63 J	: Auxiliaries on vessel	s.				
166730	16-10-84	HARSCO COR- PORATION.	A structure for holding liquified gas.	14-07-90	2/14	6 B ₄ , 166A.	FC.
167488	11-11-86	JOEL VERNEAUK.	Articulated coupling for boats in a pushing unit.	10-11-90	5/00	166-B	F.
В	64	: AIRCRAFT, AVIAT	TION; COSMONAUTICS.				
В	64 C	: Aeroplanes; Helicop	ters.				
166825	10-04-86	DOWTY BOULTON PAUL LIMITED.	Fluid-pressure-operable actuator for use in an actuator control device.	21-07-90	13/00	3-A, I	FC.
166967	16-07-86	AEROSPATIALE SOCIETE NATIONALE INDUSTRIELLE.	A rotor head having an integrated hub- mast for a gyroplane rotor.	11-08-90	-	4A ₄ & 4C	FC.
167852	16-07-86	AEROSPATIALE SOCIETE NATIONALE INDUSTRIELLE.	An integrated hub-mast for a gyroplane rotor,	29-12-90	27/04	4(A4+C) —LIII(I)) FC.
В	64 D	: Equipment for fitting or propulsion transm	in or to aircraft, Flying suits; Parachutes; Arreissions.	angements or	n.o.ating	ofrewerpl	nis
165810	18-12-85	AERUSPATIALE SOCIETE NATIONALE INDUSTRIELLE.	A device for deicing a wing structure.	13-01-90	15/00, 15/12.	4 -A 4	FC
167 654	24-06-87	UNITED TECHNOLOGIES CORPORATION,	An aircraft cabin air conditioning system.	01-12-90	13/00	196-B ₂	FC.
167809	30-01-87	SAYZEN LIMITED.	An aircraft surveillance system.	22-12-90	47/00	4-A _l - G RO UP- LIII(I).	FC.
В	64 F	: Ground or aircraft-c	arrier-deck installations.				
167540 .	01-04-85	WICKES MANU- FACTURING COMPANY.	Portable aircraft arresting apparatus.	10-11-90	1/02	4-A ₁ — GROUP- LIII(I).	FC.
В	65	: Conveying; Pac	KING; STORING; HANDING THIN OR F	II,AMENTAI	RY MATI	ERIAL.	
В	65 B	: Machines apparatus	or devices for, or methods of, packaging article	es or mat e rials	; Unpacki	n g.	
165996	07-03-86	AZIONARIA COSTRUZIONI ; MACCHINE AUTOMATICHE, A.C.M.A., S.p.A.	Apparatus for folding and feeding card boards into a machine for packaging articles.	24-02-90	5/02, 41/00.	143-D ₅	FC.

	2	3	4	5	6	7	8
166187	07-05-86	AZIONARIA COSTRUZIONI MACCHINE AUTOMATICHE, A.C.M.A., S.p.A.	A supply device for supplying flattened boxes to a papking machine,	24-03-90	35/00	23-А&Н	FC.
166190	11-07-86	HAVER & DOECKER.	Filling machine for filling of valve bags.	24-03-90	5/00	143- D ₂	FC.
166479	11-07-86	HAVER & DOECKER	Mechanism for placing valve bags to be filled on the filling nozzle or nozzles of packing machine.	19-05-90	43/42	153-D ₅	FC.
166610	05-11-84	RIETER MACHINE WORKS LTD,	An apperatus for transporting conicel throad packages.	09-06-60	35/46	1(0-B	ŦC.
166 732	11-03-86	AZONARIA COSTRUZIONI MACHINE AUTOMATICHE, A.C.M.A. S.p.A.	Mechine for wrapping bodies such as soap and the like.	14-07-90	11/00	143 D4,5	FC.
166997	03-03-88	PRIYAL KHANDE RAO KULKARNI AND VIJAY PRIYAL KULKARNI,	Improved scaling arrangement of mouth and evacuation valve on a reusable bag made from plastic film to store and preserve articles in vacuum.	18-08-90	31/04	99-E- XL(4) +179E& F-XL(6).	I.
167347	01-09-87	AB AKERLUND & RAUSING.	An apparatus for tightness control of a joint,	13-10-90	51/00	143-D4- Group- XL(5)	FC.
67675	02+07-86	DYNAMIT NOBEL AKTIEN- GESELLSCHAFT.	Apparatus for filling dangerous substances, in particular explosives, into containers.	08-12-90	•	(43-D ₂ - XL(5).	FC.
		B 65 C : Labellin	g or tagging machines, apparatus, or processe	s.			
65934	13-03-86	SWARAN SINGH. SUSHIL KAUR.	An attachment for use with a labelling machine.	10-02-90	1/00	111	1.
166224	15-04-86	L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PRODUCEDURS GEORGES CLAURE,	E\$ 1	31-03-90	5/02 , 9/00	50-A	FC.
		METAL BOX PLC.	A machine for applying labels on an	09-06-90	3/08	111	FC.
166598	28-09-84	METAL BOX FLC.	elongate body such as a can,				
		SWARAN SINGH AND SUSHIL KAUR.	elongate body such as a can. A labelling machine for affixing onto bottles or containers.	14-07-90	9/00	111	IÇ.
166 59 8 1667 3 8 166863	02-05-86	SWARAN SINGH AND SUSHIL	A labelling machine for affixing onto bottles or containers. Apparatus and method of manufacturing	14-07-90 28-07-90		111 III-XLII(S 143 01- XL(S)	

1	2	3	4	5	6 7	8
	В 65 І	cartons, crates	storage or transport of articles or materials, of drums, jars, tanks, hoppe s, forwa ding, contaging elements, Packages.			
165751	06-11-85	KENNECOTT MINING COR- PORATION.	Jacket device for an enametted or glassed vessel used in chemical processing in lastry.	06-01-90	13/00 40-F	FC.
165804	05-12-85	COLGATE- PALMOLIVE COMPANY.	Improved lominate of layers of e hylen; vinyl alcohol conolyman, matal foil, paper and collapsible paste dispensing container made therefrom.	(3-)(-+)	35/1), 155-F ₂ 35/1).	FC.
165840	05-12-85	COLGATE- PALMOLIVE COMPANY.	Improved laminate of layers of polyptopylene metal foil and paper and a collapsible paste dispensing container) made of said laminate.	20-01-90	35/00, 155-F ₂ 35/10,	FC.
165849	01-07-86	AMC-INTER- NATIONAL ALFA METALCRAFT CORPORATION AG	Process for manufacturing twin layer bottomes with filling of the hollow space.	27-01-90	1/00 99-A	FC.
165876	23-08-85	OWENS-ILLINOIS CLOSURE INC.	A closure for a finish of a container having a neck ring.	03-02-90	41/34 179 -A	FC.
165897	21-02-86	VIVEK MULL.	A double chambered bottle for separate storage of two different substances.	03-02-90	1/20 22-XL(2)	I.
165900	2 5-02- 86	J.C. ENTERPRISES B.V	Flexible packaging container for pourable filling material.	03-02-90	77/06 99-M	FC.
166337	28-11-85	OWENS-ILLINOIS PLASTIC PRO- DUCTS INC.	A method of making a barrier plastic labelled hollow polyester or copolyester container and the container thereof.	14-04-90	25/14 99-F	FC.
166 49 8	10-12-85	METAL BOX PUBLIC LIMITED COMPANY.	A container and a method for making the same.	19-05-90	41/ 32 99- B	FC.
166524	19-11-85	HUGH PATRICK CHRISTIE	Tea bag with a protective cover and a method for manufacturing the same.	26-05-90	85/00 99- H	F.
166573	06-02-86	OWENS-ILLINOIS CLOSURE INC.	A screw cap for closing the open upper linish of a container.	09-06-90	41/00, 179-A 55/02.	FC.
166646	18-11-85	OWENS ILLINOIS PLASTIC PRODUCT INC.	Coextruded multilayer sheet and touch sleeve label made therefrom.	30-06-90	53/00 155-F ₂	FC.
166647	18-11-85	OWENS-ILLINOIS PLASTIC PRODUCT INC.	Coextruded multi layer sheet adapted for use as a solvent seal sleeve label on containers.	30-06-90	53/00 15-F ₂	FC.
166770	17-08-88	JIMMY SORAB CANTEENWALLA.	An improved scal.	14-07-90	53/06 20B- XLII(2) 76H- LXIV-(4) 179E-XL(6)	1.
166887	09-07-85	HANS ADOLF SCHAEFFER.	A two compartment container for the storage and delivery of dental preparations useful in the treatment of gum disease.	04-08-90	35/22 99-Н.	F.
166891	05-11-85	OWENS-ILLINOIS CLOSURE INC.	A tamper resistant child resistant sanp-on closure for use with a container.	04-08-90	55/02 179-A	FC.
166994	23-12-67	KHARKAR ASHOK GANESH & SATHE RAMCHAND SHRIDHAR.	A reusable packing case.	18-08-90	6/34 23-XL(3). 23-E.	Τ.

1	2	3	4	5	6		7
167033	11-07-86	SANFORD REDMOND.	Dispenser package for flowable substance.	18-08-90	83/00 1	06	F.
167106	17-08-87	SOCIETE ANONYME DITE.	Folding packaging case.	01-09-90	6/00 99	-Н	FC.
67134	15-04-88	PRECISION MOULDINGS PVT. LTD.	An improved closure with collapsable spout having four pilfer resistant, seeks and anti-spill means for container orifice/neck ring and the like.	01-09-90	41/00, 1 47/00, -3	79-E,G XL(6).	IC.
57220	21-31-85	METAL BOX 9.1.c.	A soft inter having a cylindrical side wall and an end component and a method—for making the same.	22-09-90	, -	99-F- Group- XL(4),	FC.
167335	12-05-36	MAUSERWÆRKE GMBH.	A PLASTICS BUNG BARREL.	06-10-90	1/12, 1/20.	99-C- Group- XL(4).	FC.
167339	15-05-86	OWENS-ILLINOIS CLOSURE INC.	Closure with a snap type hinge cap.	06-10-90		179-F- Group-X (6).	FC. L
167399	25-06-85	OWENSILLINOIS PLASTICS PRODUCT INC.	A container.	20-10-90	1/00 2	22-Group XL(2).	- FC.
167480	25-11-88	SU HEUNG CAPSULE COM- PANY LIMITED.	Cipsule for drugs or like material,	03-11-90	83/04, 85/56.	179-C	FC.
167575	25-11-86	GUIFFRAY MICHEL.	An unoverturnable container for receiving liquids.	17-11-90	23/00	22,99-E- Group- XL(2), XL(4).	F.
167861	16-92-87	FRIED KHUPP GESELLSCHAFT MIT BESCHRANK- TER HAFTUNG.	Discharge unit in containers such as cylindrical siles or bunkers, especially for sluggish and/or caking particulate materials.	29-12-90	88/00	116-G, 164-C	FC.
167863	15-07-87	DNERPRODZER- ZHINSKY VAGO- NOSTROITELNY ZAVOID IMENI GAZETY ; "PRAVDA".	Body for receiving and carrying hot bulk cargo.	29-12-90	90/00	160-A	FC.
167865	30-97-87	SOTRALENTZ S.A.	Improved transport/storage container support structure assembly.	29-12-90	6/00	179-F	FC.
_ ,	B 65 G	: Transport or storage conveyers.	devices, e.g. conveyors for loading or tipping, S	Shop conveyo	r systems,)	Pnoumati	c tubo
165939	21-04-86	RAJIV SARIN.	A tube fee ling device for a tube filling machine.	10-02-90	1/00	151-E,F	J.
166055	25-05-87	PHB WESERHUTTE AG.	Conveyor belt arrangement for the adjustment of the fall parabola of a material to be conveyed.	10-03-90	15/00	116-C	FC.
166175	l0-0 3-8 5	MASCHINEN- FABRIK RIETER AG.	A transport duet for feeding fibre flocks to delivery chutes of clock processing equipment.	24-03-90	11/00	74	FC.
166219	06-11-85	PFISTER GMBH.	An apparatus for continuous metering and pneumatic feeding of pourable material.	31-03-90	53/00	40-P	FC.

1	2	3	4	5	6	7	8
165220	15-11-85	CHEVRON RESEARCH COMPANY.	Catalyst loading apparatus for uniformly distributing catalyst particles radially agross a large diameter bed in a reactor vessel.	31-03-90	65/30	40-F	FC.
166246	27-05-86	O & K ORENSTEIN & KOPPEL AKTIENGESELLS- CHAFT.	A crushing system for charging at least one top-loading crusher.	31-03-90	65/00	94-G & 116BD	FC
65370	28-02-86	BINDER & CO. AKTIENGESE- LLSCHAFT.	Conveying device.	21-04-90	35/00	116-G	FC.
66356	28-12-87	BRIDGESTONE CORPORATION	A tubular belt conveyor.	09-06-90	23/00	116-C	FC.
166722	10-4-86	FULLER COM- PANY.	An apparatus for convoying solid particulate material.	14-07-90		195-G 116-G	FC.
166758	15-05-86	AVONDALE INDUSTRIES INC.	Apparatus for actuating and locking hopper doors of a hopper car.	14 -0 7-90	69/ 00	116-G	FC.
166805	26-03-87	CLAUDIUS PETERS AG.	A powder gravity filling device.	21-07-90	67/06	116-D	FC.
167085	29-01-86	EMC CORPORA- TION.	Container translating and orienting apparatus.	25-08-90	13/00	116-G Group- XLIX.	FC.
167128	27 - 11-8 4	DRG(U.K.) LIMITED.	An open-sided rail car tippler.	01-09-90		158-A&D Group- LII(2)	FC.
167129	27-11-84	DRG (UK) LIMITED.	Rail car tipplor installations.	01-09-90	•	158-A & D Group- LH(2)	FC.
167130	27-11-84	DRG (U.K.) LIMITED.	An open-si led rail car tippler having a rail car platform.	01-09-90		158-A & D Group- LII(2)	FC,
167243	04-04-86	VISH CHIMIKO- TECHNO LOGITCHESKI INSTITUT.	Screw for single-screw extruder.	29-09-90	L	19C & 129B- Groups- XIV(1) & XXXV.	FC.
67790))-)3-33	TEKNDVATION ENGINEERS PVT. LTD.	An improved conveyor bolt cleaner.	22-12-90	45/00, 15/00,	116-C, G	IC.
167 8 10	28-10-87	MARTIN ENGINEERING COMPANY.	Conveyor belt ejeaning apparatus.	22-12-90		116C, 116G Group- XLIX.	FC.
		B 65 H : Hinflingt	hin or filament try material, e.g. sheets, webs,	cables.			
165816	29-11-85	SOBREVIN SOCIETE DE BREVETS INDUS- TRIELS ESABLISSEMENT.	A device for delivering continuous threads.	20-01-90	54/28	116-G	FC.

1	2	3	4	5	6	7	8
65996	07-03-86	AZIONARIA CONSTRUZIONI MACHINE AUTOMATICHE A.C.M.A., S.p.A.	Apparatus for folding and feeding card boards into a machine for packaging articles.	24-02-90	16/00	143-D ₅	FC.
166167	13- 06-84	SULZER BROTHERS LIMITED.	Wost yarn insertion apparatus for a fluid Weaving loom.	24-03-90	51/16	119-B	FC.
66326	31-03-86	SULZER BROTHERS LIMITED.	An arrangement for storing filamentous material for picking in a weaving machine	14-04-90	75/00	119-B, E,F ₃ -F ₄ .	FC.
66405	22 -09-8 6	TRUTZCHLER GMBH & CO. KG.	Device for feeding an opener or clearner for textile fibre flocks.	2 8-04-9 0	51/00	155-E	FC.
66495	19-11-85	MASCHINEN FABRIK RIETER AG.	Device for removing individual textile bobbin tubes from a container.	19-05-90	54/02	116-H	FC.
66812	31-12-82	PREFORMED LINE PRODUCTS COMPANY.	A splice case for receiving a plurality of linear bodies to be spliced and for protecting the splice from the environment.	21-07-90	21/ 90	48-A, - GROUP- LVIII(3).	FC.
66976	19-10-87	ZINSER TEXTIL- MASCHINEN, GMBH.	Vortically adjustable drawing frame for textile machines.	11-08-90	51/00	172C ₄ XX	FC.
67086	31-01-86	MASCHINEN- FABRIK RIETER AG.	Yarn packago holders.	25-08-90	75/02	172-E-XX	FC.
67100	30-11-84	RIETER MACHINE WORKS LIMITED.	An apparatus for producing a body of throad and a method of producing the same.	01-09-90	54/02	172-A&F GROUP- XX.	
67257	28 -07-8 6	SOBREVIN SOCIETE DE BREVETS INDUS- TRIELS- ESTABLISEMENT	A yarn delivery device.	2 9-09- 90	59/ 38	119-F- ₆ G-ROUP XXI(3).	FC.
167284	02-07-86	PORTALS ENGINEERING LIMITED.	A "GATHERING MACHINE" useful in book binding.	29-09-9 0	39/00	79ROUF XLII(3). 1	
67476	13-07-88	ARUN KUMAR BHATTACHARYA.	Collapsible steel drums for cables,	03-11-90	75/34	48A 3,	1.
В	6 6	: HOISTING; LIFTING		<u> </u>	··		
В	66 B	: Elevators, Escalators of	or moving walkways.				
1 6683 6	04-03-87	KONE EIEVATOR GMBH.	A point matric display decoder programming means.	21-07-90	1/00	206-C	FC,
В	66 C	: Cranes, Load-engagi	ng elements or devices for cranes, capstain	s, winches, or	tackies.		<u></u>
167703	01-07-86	FIVES-CAIL BABCOCK. DENIS SERTAC S.A.	Equipment for the loading of bags and bulk materials onto ships.	08-12-90	23/€	116C,C OROU XLIX,	

1	2	3	4	5	6	7	8
167792	19-06-86	THOMAS CHACKO, INTEGRATED PROCESS AUTOMATION PRIVATE LIMITED.	An electronic crane scale.	22-12 -9 0	_ 1/40	204- GROUP XLI(10)	
В	6ა D	: Capstains, Winches, I	uckles, e.g. pulley blocks, Hoists.	· · · · · · · · · · · · · · · · · · ·	,	· · · · · · · · · · · · · · · · · · ·	-
i51 9 0	21-05-87	HAGGLUND3 DENSION COR- PORATION.	Automatic control system for operating inhaul and outhaul winches.	24-03-90	1/40	116-Н	FC.
В	66 F	: Hoisting, litting, hauli	ng or pushing, not otherwise provided for, e, urface of a load.	g, devices which	appiy a l	ifting or p	oushirg
165990	26-12-86	HITACHI CONS- TRUCTION MACHINERY CO. LTD.	Control system of hydraulic construction machinery.	17-02-90	9/24	71 -C,E, F	FC.
67195	05-06-87	INDIAN INSTITUTE OF TECHNOLOGY.	A device for lifting and tilting an object having a cylindrical core.	1 <i>5</i> -0 9-9 0	•	116-D&G GROUP- XLIX,	
167644	21-11-86	O&K ORENSTEIN & KOPPEL AG.	Apparatus for transporting load units.	01-12-90	9/60	116-G	1 C.
В	67 .	: LIQUID HANDLING	G.				· · · · ·
В	67 B	: Applying closure mem	bers to bottles, jars or similar containers, Ope	ening closed con	uainers.		
165897	21-02-86	VIVEK MULL,	A double chambered bottle for separate storage of two different substances.	03-02-90	-1/68	22XL(2), 17 9G , XL(6).	, J.
В	67 D	: Dispensing, delivering	or transferring liquids, not otherwise provide	d for.	1	· · · · · · · · · · · · · · · · · · ·	
167366	22-07-88	DALMIA INSTITUTE OF SCIENTIFIC & INDUSTRIAL RESEARCH.	Method for the manufacture of fused silica refractory articles.	13-10-90	3 1	8-C, 33-H, 5-E, 08-C3, 30-F	IC,
В	 68 : ∃	SADDLERY, UPHOLS	rery.				
В	68 G	: Methods, equipment o	r machines for use in upholstering Upholstery	not otherwise	provided .	for,	
66077	05-09-88	BAJAJ AUTO LIMITED.	Cover for seats of two wheeler motor vehicles and such seats fitted with said	10-03-90	11/00	53-A	IC.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entries is the date of the registration of the design included in the entry.

- Class 1. No. 163639. NSL Limited of Nagarjuna Hills, Hyderabad-500 482, A.P., India. "Single guard rail for vehicles". October 1, 1991.
- Class 1. No. 163640. NSL Limited of Nagarjuna Hills, Hyderabad-500 482, A.P., India. "Double guard rall for vehicles". October 1, 1992.
- Class 1. No. 163641. NSL Limited of Nagarjuna Hills, Hyderabad-500 482, A.P., India. "Triple guard rail for vehicles". October 1, 1991.
- Class 1. No. 163996. Freezland Refrigeration Corporation, 17-Ashok Nagar, Ludhiana-141 001, Punjab, India.

- Indian Partnership Firm. "Strainer". January 10, 1992.
- Class 3. No. 163604. Real Value Appliances Pvt. Ltd. of 801/802, Tulsiani Chambers, Nariman Point, Bombay-400 021, Maharashtra, India. "Container". September 18, 1991.
- Class 3 No. 163995. Prakirti Plast Pvt. Ltd. of 7/62-Lane Gaushala, Agra-282 004, U.P., India an Indian Company. "Brush". January 10, 1992.
- Class 3. No. 164068. Mohd. Atique of 1177, H.H.H. Punjabi Phatak, Ballimaran, Delhi-110 006, India, Indian National "Grille for Air Coolers", February 12, 1992.
- Class 3. No. 164090. Saklaspur Venkatakrishnaiah Suresh, Indian of 40, Geetha Mansion, K. G. Road, Bangalore-560 009, Karnataka, India. "Coffee Filter". February 14, 1992.

R. A. ACHARYA
Controller General of Patents, Designs
and Trade Marks